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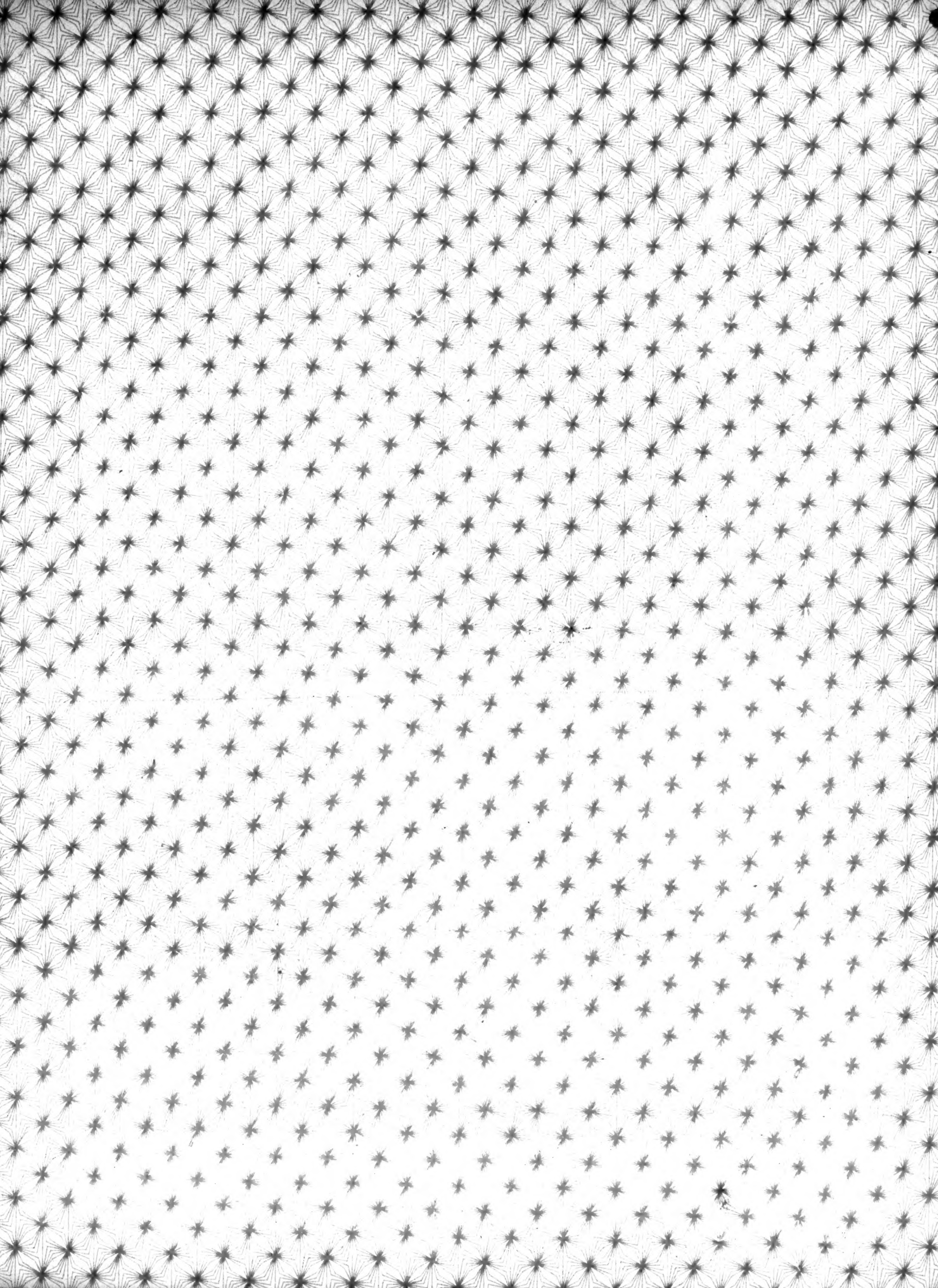


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FLORISTS' REVIEW

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FLORISTS' PUBLISHING CO., 520-535 Caxton Building, CHICAGO.

Vol. III.

CHICAGO AND NEW YORK, DECEMBER 1, 1898.

No. 53.

VARIEGATED PINEAPPLES.

The variegated form of the ordinary pineapple, *Ananas Sativa*, is by far the most widely known of these beautiful foliage plants, and when well grown and in good condition is one

The culture of *Ananas sativa* var. does not present any more difficulty than that of *Pandanus Veitchii*, plenty of heat, light and moisture being the chief requisites. By plenty of heat in this instance is intended a winter night temperature of 65 to 70 degrees,

have a bleaching effect upon some plants under glass.

Quite a strong soil may be used for ananas, with good results, the foundation being good turfy loam with a sprinkling of sand if the soil be naturally heavy, to which should be added fully one-sixth in bulk of dry cow manure and a moderate quantity of bone dust. Firm potting and good drainage are essentials, and it is preferable that the plants be kept slightly on the side of dryness rather than over watered for a time after re-potting, a sodden soil being decidedly repellant to the young roots.

As may be seen from our illustration, the variegation of this variety is very regular, the center of the long arching leaves being bright green, and the edges broadly margined with creamy white, while the young leaves, and also the base of the older ones are flushed with red.

In regard to propagation, the best cuttings are provided from the crowns of fruiting specimens, and when the crowns are compound a nice lot of cuttings may thus be had, but of course this does not happen in all cases, and we frequently have to depend on a succession of suckers from the base of a plant that has been fruited. These cuttings will root sooner if allowed to dry somewhat for a few hours after they have been severed from the parent plant, and before they are planted, this treatment being a common method with the cuttings of Bromeliads, to which family the pineapples belong.

A second variegated pineapple is found in *A. Porteana*, which species was introduced from the Philippines about 1866. This is also a handsome plant, though less striking than the foregoing, from the fact that its coloring is much more subdued.

A. Porteana is more erect in growth than is *A. sativa* var. and has large olive green leaves, these being orna-



Variegated Pineapple.

[*Ananas Sativa Variegata*.]

of the most highly colored and attractive variegated plants for exhibition purposes. And were it not for the difficulty of getting cuttings in quantity, this plant would no doubt find a place among decorative stock for commercial purposes, but owing to this slowness in reproduction, few growers have attempted to handle the plant extensively.

while during the day a temperature of 85 to 90 degrees will do no harm.

No shading is needed through the greater portion of the year, though about midsummer a thin covering on the glass will be found to have the effect of heightening the coloring of these plants, as it also does in the case of *Pandanus Veitchii*, for the intense sunlight at that season seems to

mented by a band of pale yellow down the center. The coloring of this plant varies in intensity in accordance with the conditions under which it is grown, and the plant appears to better advantage when grown in a strong light.

Similar conditions in regard to heat and soil as those recommended for *A. sativa* var. will apply to *A. Porteana*, but propagation may be slower, the plant showing little inclination to sucker under ordinary conditions.

W. H. TAPLIN.



CARNATION NOTES.

To judge from general reports, the present condition of the carnation seems to be quite satisfactory, but on account of the earliness of the season they can hardly be up to the exhibition mark, and we have to read the show reports concerning the carnation with a good deal of allowance regarding quality, when represented as good as they will be a month later.

I do not believe in the trumpeting up of any variety as rust proof, for I do not believe that there is one variety that is rust proof under all circumstances, but I admit that one variety may show a great deal more resistance to this disease than another. I have been rather agreeably surprised with our Mrs. G. M. Bradt, which has been free from rust so far, and I have heard of no complaint yet from other places. Anyone reading these notes would confer a favor on me by advising if rust has been found on this variety.

At this time of the year a very important question is that of support. New schemes of supports spring up here and there and are advertised in the trade papers. We have received several for trial and I have made enemies for not writing them up and giving my opinion in my carnation notes. This is a very delicate matter to handle, for everyone that has a new scheme of support, like those who have a new variety of carnation, is generally so enrapt in the advantages of what they recommend, that criticism is taken as an insult. Now, I do not wish to hurt anybody if my views do not harmonize with theirs, but at the same time I cannot conscientiously recommend that which I am not fully convinced of and thereby lead others into errors which I am trying to avoid myself.

Our system of support is well known as the Dorner system, and I have no further interest in recommending it than to give my experience. It has been so often explained and described that to any unfamiliar with it I refer them to my notes of former years. It is simple, inexpensive and comes nearer to the principle of a support than

any that I have seen in practice. We have not bought any new material for the last four or five years, except for some new houses. The A shaped wire netting and the wire stretched lengthwise of the benches is saved from year to year. The wire netting probably needs some straightening; even the wooden supports for the wires stretched lengthwise, if made a little substantial, can be saved, so we have nothing to buy but the cotton twine, a very cheap material, and if once understood how to handle it, this support is put up as quickly as any other.

I do not claim that our support is the acme of perfection, but I believe the perfection attained corresponds with the cost a commercial grower is able to expend. Our entire mode of culture is not yet perfection. When I read in the trade papers that a grower has planted so many thousands of plants in so many houses of a given dimension, I cannot refrain from thinking that he is planting very close or the plants must be small. In either case the plants cannot develop to the perfection which they should unless given more space in which to grow.

To my impression an ideal mode of culture is when the plants are planted two feet apart each way; with good care many varieties will cover the allotted space by midwinter and have only sufficient room for a free circulation of air around each plant. Now such a culture would require a different mode of support than any in vogue now, the Dorner system included. Progression can be twofold, one is scientific, to gain the highest perfection regardless of cost; the other is how far can these scientific improvements be employed commercially? Now, here comes the great question, Will it be profitable? If the bread and butter account is reduced by such improvements they will soon be thrown aside. With these comparisons, I wish to emphasize the error of too close planting, which will be aggravated by a support, that will bunch the plants up for the sake of giving circulation of air between; while on the other hand with that, which I would call an ideal culture, arises the question, Will it pay? but wherever it pays it is the right thing to do. Between these two extremes there is a middle way, which to my experience has proved the most profit-

able. Plant your plants in rows across the bench 12 inches apart, strong growing varieties 12 inches apart in the row, and less strong ones 8 or 10 inches. For such a planting our support has always given us full satisfaction.

The principle of a carnation support is to hold the plants up from the ground, in order to give a free circulation of air underneath, but otherwise to allow the plants the greatest freedom of growth, and to support the flower stems in a straight upright position, without drawing them together in a bunch and thus impair the plant's freedom of growth.

There is considerable misunderstanding about a free circulation of air around the plants. This is indeed very desirable and of the greatest advantage, and should be remembered at the time of planting, by giving the plants the required space, but when they are drawn together to insure this free circulation around and between the plants, it is like airing the tail by suffocating the head. If one has to be done at the expense of the other, what is gained by it? The head for the tail is a very bad exchange. When, with a moderate allowance of space the plants grow together and cover the ground, which they do with us generally by the last of December, a good circulation of air all through the plants underneath and above, by keeping them free and open, is what is wanted, so that every part of the plant derives the same benefit. The mission of a support is to protect and help a plant in its natural development, and not to retard it. And this, I believe, we best accomplish with our mode of support. Before putting on the wires lengthwise with the corresponding twine netting for the support of the flower stems, we give our plants a last cleaning; after this we have only the routine work, as watering and cutting the flowers, with an occasional going over the benches and pulling some stray flower stems up through the twine netting, which did not grow up straight and became bent over under the support. We are not impaired in the least when cutting the flowers as we can reach in at any place where a flower is to be cut.

FRED DORNER.

AMERICAN CARNATION SOCIETY.

New Carnations Registered.

By the American Rose Co., Washington, D. C.:

MEPHISTO.—Color of Portia; flowers very large; broad petals, great depth, borne on extra long stiff stems; never bursts the calyx; free and early bloomer.

LUNA.—Color purest white; flowers of largest size; borne on very long wiry stems; narrow foliage like McGowan, but exceedingly strong, vigorous growth; very prolific bloomer and unusually fragrant; never bursts the calyx,

POTOMAC.—Color pure salmon pink; under artificial light taking an intense fiery depth; very broad petals; narrow grasslike foliage; very robust and a profuse bloomer.

By Peter Fisher, Ellis, Mass.:

MRS. THOMAS LAWSON.—Color dark pink; flowers immense size; borne on an exceedingly long and strong stem and with an excellent calyx; vigorous growth and a free and early bloomer.

THE MAINE.—Color white. (No further particulars.)

By Henry Eichholz, Waynesboro, Pa.:

ADMIRAL DEWEY.—Sport of Armazindy; white spotted and striped pure pink; can be used as a delicate pure pink; stem very stiff, flower extra large, calyx good; flowers nicely fringed and scented.

By Fick & Faber, No. 1401 Woolsey street, San Francisco, Cal.:

VICE ADMIRAL SCHLEY.—Color pink. (No further particulars.)

By M. Wieland, No. 1913 Maple avenue, Evanston, Ill.:

EVANSTON.—A sport from Tidal Wave, in color a bright red, and a very free bloomer.

By Elmer J. Weaver, Bird-in-Hand, Pa.:

S. S. PENNOCK.—Deep pink, very full, of good size, stem and calyx; habit good and a free, early and continuous bloomer.

By J. M. Gasser, No. 101 Euclid avenue, Cleveland, Ohio:

MERRIMAC.—In color a trifle darker than Tidal Wave; flower of fair size on a stiff, wiry stem and with an excellent calyx; plant in habit resembles a William Scott; easy of propagation and an exceptionally free bloomer.

A. M. HERR, Sec'y.

known as *Spiraea japonica*, although its correct botanical name may be *Aspilbe Japonica*. It is one of the hardiest and most easily handled of all our commercial plants. They are better kept out of doors until you want to pot and force them. In fact, boxes with a little soil between the roots, ever so little will do, and an inch or so over the crown would be the best treatment. If snow or rain falls on them all the better.

The time it takes to bring them into flower will depend on the heat you give them, but I would say that 10 weeks in a night temperature of 50 degrees is not too long a time and 12 weeks is better. A rich soil is not necessary, but a good sized pot to do them well is very essential. The roots are often rammed into a pot just large enough to admit of the dormant clump and when they grow or near their flowering time the scanty portion of soil you have given them is nothing but a mass of roots. You have almost to stand them in water to keep them from not only wilting but shrivelling up. This is why they are so generally called and thought to be such an unsatisfactory house plant even for a few days. Scarcely any roots we import should have less than a 7-inch and most of them would be better in an 8-inch. I am aware that it is classed by our large market growers as a very profitable plant. It may be, but it only occupies much bench room about 6 weeks. There are only a few points to observe in its easy culture. An unlimited amount of water, full daylight, and don't burn tobacco near it while it is making its young tender growths.

Carnations.

In my limited wanderings I yet see in many places that the practice of disbudding is but partially done and in others not attempted. It is but half a dozen years ago that it was seriously and soberly discussed among the specialists of this universal favorite whether it was desirable or necessary. At this day I should not think there was a single carnation grower, big or little, who doubted the wisdom or profit of disbudding. It should be faithfully and timely done. I say timely done, because if the side buds or later buds are left on till the leading or most forward bud is about to show color, it may as well be entirely left undone.

We disbud chrysanthemums as soon as the side buds can be rubbed off without danger to the leading bud or the selected one, and see what results! We know it does not make such a vast difference in the carnation as it does in the chrysanthus, but it makes a good deal of difference, and if it is only a little difference a little is a great deal in these days of great production and keen competition, where the very best commands a real good price and the second and third quality is only among the "also ran" and brings, except at a few short seasons, a most unprofitable price. High quality and lessened

MISCELLANEOUS SEASONABLE HINTS.

Hydrangeas.

Two inquiries have just reached me which being not entirely out of season, can be answered under this head. From "S. S. P." comes the questions: "With good Hydrangea plants in 4-inch pots now, what is the proper treatment to get them in flower for Memorial day? Can they be repotted and stopped once or must they be grown to single stem?"

Memorial day, better known with us as Decoration day, is the very end of May, chosen by those in power as a season when flowers are supposed to be most abundant. That may be the case in some of our Southern States, but by no means is it so in our Northern States, for frequently I have known it to be a time of unusual scarcity. Plants are, however, in greater supply and it is the very time when Hydrangea Otaksa, with ordinary greenhouse treatment, is at its best. Plants in 4-inch pots would be rather small to be called good plants to make much of a show in pots, still if there is a good leading bud and most likely some lateral buds, they will make most acceptable plants by the end of May.

Keep them as near dormant as possible till middle of February. Under a bench in a warm greenhouse is not a good place. A pit or house where the thermometer is near or little above

the freezing point is the ideal place, and of course with such a low temperature little water is needed. Don't do any shifting till you start them into growth, then if the roots have filled the 4-inch pots they should be shifted into at least a 5-inch and the strongest into a 6-inch. With the length of time they have to grow it can scarcely be called forcing and they may come along nicely in a light, cool greenhouse.

Plenty of water is essential, especially when the leaves and flowers are fully developed, and look out for red spider. I have seen a lot of fine plants ruined by spider almost before the cultivator knew what was the matter. The spider is worse on the flower than the foliage. An early application of the hose and its continual, judicious application will keep down spider. I almost forgot to mention, don't do any cutting or stopping. The leading shoot will assuredly give you a fine head of bloom and if the lateral buds are well developed they will also.

Spiraea.

No. 2 is: "What is the proper treatment for spiraea from receipt of roots to getting in flower for Easter?" My last week's notes in The Review, page 682, have a few hints bearing on the spiraea, but which though somewhat of a repetition are susceptible to improvement. We will suppose the inquirer refers to what is generally

quantity is a benefit to all concerned. Not only is the flower larger and better when the stem has been kept clear of other buds and lateral growths but the stem is undoubtedly stiffer and straighter.

Varieties differ largely in their stems. Daybreak is one that pays well to keep clear of all superfluous buds, but none more so than the much grown Scott. Not only will this latter variety smother itself with buds if allowed, but its good stem is often spoiled by allowing the lateral growths to remain on. The side growths are often so strong that they take precedence in growth over the stem, starting it off at an angle. The next growth above sends it back at another angle, and so on and with an 18-inch stem you have many kinks and bends and a crooked, weak affair. Every variety has its own peculiarity, but it is safe to say that all are greatly benefited by disbudding, which should be done just as early as the little buds can be detected. The cost is nothing because every dollar properly laid out in this direction will bring in return five dollars, whether you be grower or both grower and retailer.

While on the subject of carnations, visiting our large local growers, W. J. Palmer & Son, of Lancaster, N. Y., a few days ago, one cannot but be amazed at the quality of his Daybreaks, not only regarding the health and vigor of his plants, but stem and size of flower, and one other quality—a leading quality in Daybreak—the unrivalled tint of color. The modest senior member of the firm says that there is nothing in it, ONLY a stiff soil and never let them be over 45 degrees at night. Some carnation growers might say to this, "that is not high enough to be profitable." The perfect field of bloom out and opening and to come would be a most conclusive answer to that.

Tulips.

The tulip season will soon be here and many will want a few for Christmas or at least for New Year's. Unless you boxed some very early and they are well rooted, I would not advise any attempt at forcing for such an early date. They never would be missed and we can do without tulips till end of January, when they and the daffies can be had to perfection. If you do force any for the holidays, there is none better than La Reine, Vermillion Brilliant, Chrysolora or Yellow Prince for yellow and Proserpine. Putting the flats on hot-water pipes won't do, for it burns the roots. A box should be built over the pipes with boards on which to place the flats so that the violent heat of the pipes does not come in direct contact with the roots, but the atmosphere must be quite 80 degrees or you won't get the flowers out.

A heavy cloth or board shutter should be above the tulips some 2 feet and light excluded; the object of this is to draw up the stem, for unless you

have a stem of 8 or 9 inches you had better not have tulips at all. An inch of sphagnum placed among the growths is a great aid for it helps to modify the extreme and unnatural heat. A copious watering twice a day is necessary. When the flowers are about developed they should be removed to a cooler house and given daylight. Allow three weeks for the forcing of the first batch. **WILLIAM SCOTT.**

COLD STORAGE VALLEY.

I wish to find out something about keeping lily of the valley pips so that I can force them into flower in June and again in September. Must they be kept frozen solid, being too far west to be able to purchase cold storage valley? Bought some from cold storage once in the fall and it was nearly in bloom on arrival; next lot was frozen solid, and when thawed out would not grow, but simply rotted. **MANAGER.**

It is true that in the journey of a few days during the months of June or September the valley would make so much growth that it would be ruined almost before you could get it unpacked. The large growers, who put in several thousand pips in a batch, have no trouble; they have their own cold storage and keep it stored away in original cases.

A small grower, say one who forces 500 or 1,000 a week, must do differently. When receiving the supply they can be unpacked and put away in boxes holding 500 to each box. Earth or moss should be around each bundle of twenty-five, and a covering of two inches of moss or earth. The boxes can be placed outside and covered with litter to prevent too great and sudden changes of freezing and thawing. They can in fact receive just the same treatment as those you intend to bring in at intervals during the winter. Before there is any chance of the pips being started into growth by the increasing warmth of spring those boxes destined for your summer use should be removed to cold storage, which is now to be found in every city and at a cheaper cost than you could supply yourself, unless you are in a big way. From 25 to 30 degrees is a good temperature for storage. **W. S.**

NEW CARNATIONS.

Messrs. F. Calvert & Son, Lake Forest, Ill., have been growing quite a number of seedling carnations. We were recently shown blooms of a dozen of these and they contained several that we feel sure will be heard from later. One is an absolutely pure yellow of a pleasing shade and of good form. There is not the least suspicion of any other color. Another might be described as a Mrs. Bratt with a yellow ground instead of white. A finely fringed pink sort is very fragrant and has so far been a remarkably free bloomer.

THE EXHIBITIONS.

MONTREAL.

The chrysanthemum show, under the auspices of the Gardeners' and Florists' Club, opened in the halls of the Frazer Institute on Tuesday, Nov. 8, under circumstances which would have made it a splendid success had it not been for the apathy displayed by the members and others who should have been the exhibitors. The weather was all that could be desired, more like early September than November. The interest taken in the show by the public was in advance of former years. The papers did all they conscientiously could, but the prize list showed plainly enough that whatever the quality of the exhibits might be, they were most sadly deficient in quantity. Despite the fact that the hall employed was not half the size of that of former years it was all the committee could do to hunt up enough decorative stuff on the morning of the show to fairly fill the hall. I don't know if the florists or gardeners have not the stuff, if they are too busy to make an exhibit or what it is. I know your correspondent would rather have a couple of teeth drawn than go through that morning again.

One of the things we seem to be suffering from is natural gas escaping in the wrong direction. A few of our florists and gardeners did nobly, both by exhibits and interest, to help along the show; the big majority took no interest in the matter at all. Some came along criticising what they had seen until one felt sick of the whole thing. We are willing to be accommodating and if the prize list doesn't meet the wishes of all now is the time to say so and we will do what we can to make it such. If they will only say what they do want they will get a chance to try their hand. We don't care if it is a head of cabbage or a 10-acre lot of anthuriums.

The competition for the Strathcona cup (this year reduced from 24 to 12 blooms, distinct varieties) was between W. J. Wilshire, gardener to R. B. Angus; T. McHugh, gardener at the Forest and Stream Club, and Geo. Pascoe, gardener to M. R. Reford. The cup was awarded to Mr. Wilshire with a magnificent lot, consisting of Madam Carnot (awarded prize as the best bloom in the show). Mrs. H. Weeks, Col. W. B. Smith, The Bannington, G. Wedding, Inter Ocean, H. Robinson, H. Hurrel, Mrs. W. C. Egan, Morel, G. H. Morgan, M. E. Hendre; T. McHugh, 2 points behind with Minerva, Good Gracious, Mayflower, Shenandoah, Frank Hardy, M. Ed. Andre, Mrs. Weeks, Col. Smith, Morel, W. C. Egan, H. Robinson, Golden Wedding. Geo. Pascoe's was also a fine lot.

In the competition for the Club's Challenge cup, reduced from 12 to 6 plants in 10-inch pots, Geo. Pascoe was first with Perrin, Yellow Queen, Whilldin, Ivory, Childs, and Morel.

C. A. Smith was second with Mrs. H. Robinson, Ivory, Shrimpton, Pink Ivory, Lincoln, and G. Pitcher.

There were no entries in the vases of 12 one variety, in the section for new varieties, and in class F, decorations.

Joseph Bennett took 4 firsts for roses; Brides, Bridesmaids, Morgans, and Beauties. W. Wilshire first for Me-teers.

In the 12 new carnations, the prize went to C. Scrim, Ottawa, for a magnificent white of immense size and substance, and with a good odor. A special prize went to Jos. Bennett for a fine red of the largest size and fine stem, a sport from Mrs. Bradt.

A vase of Dunlop's new rose Lady Dorothea was on exhibition and generally admired. It was awarded honorable mention. The blooms on exhibi-

understanding that no more shows would be held in a small hall or, in fact, in any hall at all unless both prize money and exhibits could be fully guaranteed 3 months before the show opened. The secretary reported that the late show would pay about 60 per cent of the prize money after all other accounts were settled.

The palm gentleman has honored Montreal with another visit, by which B. T. Graves is about \$50 out.

Walter Wilshire reports still being busy glazing the 3,000 feet of glass smashed by hail a couple of months ago.

The local florists are holding meetings to formulate a scheme to try and secure a more sensible tariff on lines in which they are interested than the one at present in vogue.

F. BENNETT, Secretary.

varieties, but so well done as to dispute with Mr. Rawson in many classes.

The exhibit of C. W. Ward, of Queens, N. Y., attracted much attention, the size and finish of the blooms being exceptionally fine. His Eureka and Western King were marvels for size and perfect finish. In the competition for best 6 white Mr. Ward's Eureka pushed W. H. Chadwick very hard for first place. The blooms of Eureka were superior in size and finish to Chadwick, but the latter had a slight advantage in superior foliage, and was awarded first place after an hour's reflection by the judge. Mr. Ward's Admiral Dewey, a magnificent deep chrome yellow, attracted universal attention and admiration and was awarded a certificate of merit. Nathan Smith & Son, as us-



Some of the Roses at the Chicago Show.

tion, though fine, were not to be compared to those received by some of the local florists a short time previously and who unanimously pronounced it a splendid thing.

A plant in an 8-inch pot of Acalpha Sanderl attracted a good deal of attention and from accounts of the number sold by Mr. S. S. Bain, the local agent, it is likely to become a popular plant.

Mr. W. J. Wilshire had on exhibition a vase of seedling anthuriums, one an enormous yellow and a white one were highly meritorious. Mr. Wilshire had also a splendid specimen plant of Cypripedium Spicerianum among his collection of orchids.

Mr. C. A. Smith was awarded first for 6 of the finest Solanum Capsicastrum in 6-inch pots ever seen in this section, fully 15 inches in height and diameter with berries evenly distributed from the tips of the shoots down to the pots. They were grown from cuttings struck last February.

The question of another exhibition was taken up at the meeting the Monday following the show, and although not definitely decided it was a mutual

ELMIRA, N. Y.

Elmira florists are happy. Their first chrysanthemum show has proved a complete success from every standpoint. The display of blooms was very fine, the attendance and enthusiastic admiration of the exhibit by the public was more than gratifying, and, lastly, the affair was a complete financial success, and the treasury of the Elmira Horticultural Society has a substantial surplus added to its fund.

Many features contributed to this gratifying result. The exhibition hall was pleasantly and centrally located, the affair was well advertised in the local press, the music was a drawing card, and the price of admission (10 cents) placed the tickets within the reach of all. On the second and third days the exhibition hall was filled to overflowing.

Grove P. Rawson, the principal prize winner, staged a fine exhibit of well done blooms. His principal competitor was Jno. Rudy, gardener to Hon. J. S. Fawcett, who was handicapped somewhat with a list of older

ual, staged a fine lot of blooms, which were much admired.

Mr. Rawson's exhibit, occupying the entire stage, was unique and of first quality throughout. Its most striking feature was a large frame of ivy surrounding a yellow water pitcher holding a graceful bunch of mums. Large vases of Chadwick and Bonaffon appropriately flanked the center piece. Mr. Rawson's Chadwicks were superb, as was his Helen Bloodgood and Eclipse, the winner of the Eclipse Bike. The bike competition was close and sharp, there being but a half point difference between Mr. Rawson's seedling and the yellow sport of Mayflower exhibited by Geo. Atkinson, of Orange, N. J., Rawson's scaling 93½ points and Atkinson's 93 points.

John Rudy's exhibit exemplified what could be done with the older varieties. His Morel, Bonaffons, Modesto and Chempwec were especially fine and bore abundant testimony to his cultural skill, and Mr. Rudy received many compliments.

E. M. & H. N. Hoffman's pretty drawing room was tastefully and ar-

tistically done, and Mr. E. J. Anthony's exhibit of pot plants was also much commended. Taken as an entirety, the exhibit was of superior quality throughout and competition in the various classes was very close. C. E. Hunn and C. W. Ward were the judges.

TORONTO.

Chrysanthemum Plants.

In this class Lady Gzowski was first on the following: Best specimen, best standard, best 3 specimens white, also pink, yellow, and any other color.

Best 12 distinct varieties, 6-inch pots, Exhibition Park was first, also on 12 pink and 12 varieties, 3 plants of one variety in 6-inch pot.

Hort. Gardens was first on 12 varieties, single stem, 5-inch pots, 12 yellow and 12 any other color.

Miscellaneous.

Hort. Gardens was first on group of mums, palms, ferns, etc., also on 6 specimen ferns, best 1 specimen fern, best 3 orchids, best 12 primulas and best 6 pots of callas in bloom.

Exhibition Pk. carried first honors on group foliage plants, best specimen palm, best 6 specimen palms, collection orchids in which nepenthes and ferns could be used.

Grainger Bros. received first on the following: Best 6 specimen palms, 24 ferns, and 12 ferns.

N. Toronto Flo. received first on best 24 adiantums, and best 12 adiantums.

J. H. Dunlop was first best 6 specimen palms in 10-inch pots, not less than 3 varieties.

Grobba & Waudry had the best 6 cyclamen.

Cut Blooms.

H. Dale received firsts in the following classes: Twelve chrysanthemum blooms, white, pink, yellow and any other color, best 6 any other color, best 20 blooms in one vase.

Geo. Hollis carried off firsts on best 12 varieties, best 6 white, 6 yellow, and 25 blooms any variety.

J. H. Dunlop showed 25 distinct varieties, for which he received first, and W. Jay & Son received first for best 6 pink blooms.

In the rose classes J. H. Dunlop carried off firsts on the following: Best 12 Bride, 12 Maids, 12 Morgan, 12 Mad. Hoste, 12 Cusin, 12 Beauty, 12 any other variety, and best vase of 50 roses.

H. Dale received first for 12 Perle, 12 Sunset, 12 Carnot and 12 Meteor.

In carnations, H. Dale captured the following firsts: 25 white, named, 25 pink and 25 fancy.

N. Toronto Flo. Co. received first for 25 pink and 25 yellow.

J. H. Dunlop received first for 50 blooms, one variety, also 50 blooms, any variety.

In violets the N. Toronto Flo.

showed the best bunch of 50 double violets, for which they received first prize, H. Dale carrying off first honors for 50 singles.

Floral Designs.

S. Tidy received firsts for hand bouquet, funeral design and presentation basket.

J. H. Dunlop's presentation basket of chrysanthemums scored first.

Best flat basket of chrysanths for table decoration was that of Grainger Bros.

HARTFORD, CONN.

The chrysanthemum exhibition of the Conn. Horticultural Society was very fine. Plants were unusually large, with excellent foliage and blooms. The largest plant in the hall was a specimen Japanese, Miss Georgiana Pitcher, exhibited by Thomas Dryden. There were upwards of one hundred large blooms on this plant and it measured over thirteen feet around. Mr. Dryden also took first prizes in the several collections, his plants surpassing any ever shown in Hartford previously.

In the cut blooms there was sharp competition. For twenty-five varieties, John Coombs was 1st; A. N. Pierson, of Cromwell, 2nd; and Rev. H. Macy, 3rd. The first prize for largest bloom went to John Coombs for Australian Gold, a magnificent specimen, 2nd prize to A. N. Pierson, for Vivand-Morel. D. McFarlane, gardener to Mr. Silas Robbins, Wethersfield, had, in another class, a mammoth bloom of Golden Wedding, which was the finest the different growers had ever seen. Best 12, white, A. N. Pierson, 1st, with Mayflower, D. McFarlane, also 1st, with Mutual Friend; Twelve pink, A. N. Pierson 1st, with Vivand-Morel; John Coombs, 2nd, with Helen Bloodgood; Twelve yellow, A. N. Pierson 1st, with Modesto; John Coombs 2nd, with H. L. Sunderbruch; Twelve red, A. N. Pierson 1st, with G. W. Childs. Amateur classes were well and creditably represented.

First and second prizes for seedlings went to C. M. Rodgers, first, for a very dwarf, free bloomer, with a deep wine colored bloom, similar in shape to C. B. Whitnall, second, for a medium height plant with a large brownish red bloom, golden buff on reverse side of petals, which bids fair to make an enormous bloom, grown to single stem. This variety looks especially well in artificial light. This is the first year for both varieties.

Chrysanthemum plants were given out in June by the society and were exhibited in competition for medals. Very gratifying results, considering the ages of the little folk, were achieved. It is a plan which every horticultural society could adopt to good advantage, educationally and financially. Herbariums, comprising several

thousand sheets, collected by school children throughout the states, were shown on specially designed screens, and were viewed with interest by many.

Fancy pigeons exhibited by Henry L. Strong in a twelve foot cage, while not quite a feature in horticulture, attracted many children to the exhibition.

The attendance, due in a measure to these extra features, was quite encouraging and shows that a judicious selection of attractions other than ordinary classes "indulged" in by most societies, tends to draw the public to what, all too often, is a poorly patronized and unappreciated exhibition.

R.

MILLBROOK, N. Y.

The sixth annual chrysanthemum show of the Millbrook Horticultural Society was held Nov. 10, 11 and 12. To say that the high standard established by former exhibitions of this society was sustained by this show is to commend it very highly.

Notable exhibitors and prize winners were James Blair, Staatsburgh; S. Horn, gardener for Archibald Rogers, Hyde Park; I. L. Powell, gardener for Samuel Thorne; C. Rapp, gardener for Oakleigh Thorne; W. C. Russell, gardener for C. F. Dieterich; G. Thommen, gardener for J. D. Wing, all of Millbrook, and B. Willig, of Poughkeepsie.

W. C. Russell won, among other prizes, a silver cup for 3 fine bush plants, Lincoln, Ivory and Puritan, and also first prize for collection of cut blooms, with vases of Frank Hardy, Golden Wedding, Bonaffon, Mayflower, Vivand-Morel and Minerva.

I. L. Powell took first on a magnificent collection of 25 cut blooms of Mrs. E. H. Weeks, considered by all observers to be the finest blooms ever exhibited in Millbrook; also first on collection of roses with Brides, Bridesmaids and American Beauties.

First prizes on carnations were equally divided between W. C. Russell and G. Thommen.

In violets B. Willig was easily first and carried off a silver cup given by Jno. N. May.

C. Rapp was winner in Perles, and James Blair won the honors in collection of chrysanthemums.

The finest flower exhibited was adjudged to be a Modesto shown by I. L. Powell.

The competition in cut blooms of chrysanthemums was exceedingly sharp and the character of the exhibits exceedingly high.

Attendance was large and enthusiasm was at a high mark. J. O. P.

NEWPORT, R. I.

The members of the Newport Horticultural Society may well be proud of the annual chrysanthemum show for

1898. The arrangement of the exhibits was especially commendable and much praise was bestowed by visitors and the daily press.

The exhibitors included Robert Laurie, Alex. McLellan, Andrew Meikle, Richard Gardner, Alex. Frazer, C. D. Stark, Bruce Butters, Harry Westley, W. C. Russell, John Barr, Alex. McKay, Wm. Donald, John Allan, Jas. McLeish, F. Macrae, Jas. Garthley, Peter S. Burns, and Geo. Taylor. The prizes were distributed among the above named exhibitors.

ST. LOUIS.

Honor to Whom Honor is Due.

Ed. Florists' Review: Please give me space for a few words in behalf of one of the promoters of our late show. He deserves unstinted and unlimited praise for his untiring and unselfish efforts and great patience, which last must have been sorely tried at times. He was always at his post from 7 a. m. till 10:30 p. m. from first to last, and as I am a great believer in the old saying, "Honor to whom honor is due." I thought it would not be out of place to ask you to give him due credit in your columns. You have probably guessed that I refer to the manager of our show and your able correspondent, Mr. J. J. Beneke.

A BROTHER FLORIST.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.
520-535 Caxton Building, Chicago,
334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/2 page, \$13.50 full page, \$27.00. Discounts: 6 times, 5 per cent; 12 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.
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OUR FIRST ANNIVERSARY.

With this issue the Florists' Review begins its second year. We thank all our friends for their generous support during the past year and will endeavor to more than ever merit the same during the ensuing one. We have many special features planned for the coming year that will, we believe, be of very great interest to our readers. Among other things that we have already in hand, and that will appear soon, is a very practical and comprehensive article on the culture of orchids for cut flowers in a commercial way. In it the subject is treated from a strictly commercial point of view, telling just what orchids will pay and which will not.

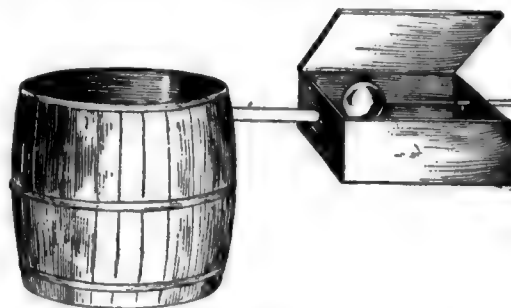
That the orchid will in future be a

strong factor in the cut flower trade none can doubt. It is a question of selecting the few from which flowers can be produced in sufficient quantity and at the right time to insure a good margin of profit, and in understanding their requirements as thoroughly as we now do those of the Bridesmaid rose or the McGowan carnation.

Florists care but little about rare varieties that are often more weird than beautiful, but they are decidedly interested in the economical production of flowers that will bring a good paying figure over the counter. It is from this point of view that the article referred to has been written by a thoroughly practical man, and it will be very freely and handsomely illustrated.

OUR PRIZE COMPETITION.

Following is another batch of entries in our prize competition in labor-saving devices or methods useful to florists:

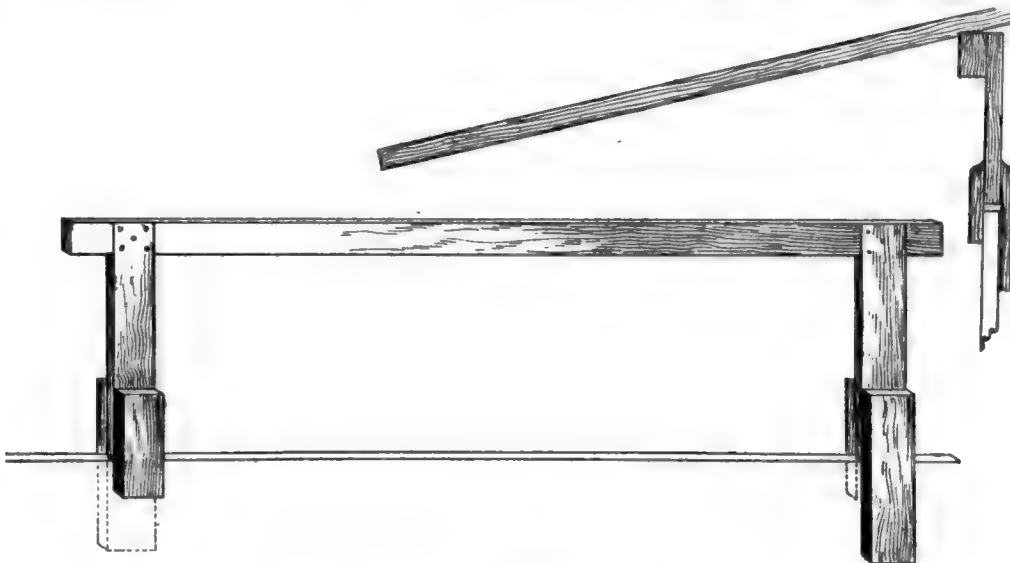


No. 24.

To Keep Barrel Always Full of Water.

from the supply pipe. Where a tank is built under the bench the self-acting water cock can be placed in one end of it.

The idea is to keep the tank or barrel full of water all the time, which not only keeps the water the same temperature as the greenhouse but insures a full barrel or tank to dip from when watering with the can. Everyone knows that a man can water much quicker with the can when he can dip



No. 23. Support for Shading over Frames.

No. 23 is a support for shades over frames in summer time. It is a frame of light material, the standards of about one and a quarter inch stuff. The drawing shows how it sets over the edge of the frame, making it easily movable from one frame to another as needed and so it can be readily stored when not in use. They can be made any desired length—from one to four sashes long, as most convenient. We have used this for some time and find it a great improvement over the usual stakes and cross pieces.

K.

No. 24 is a device for providing a moderate supply of water of the same temperature as the house, and to facilitate watering when a can is used. The box is 6 inches wide and 12 inches deep, and long enough to hold a self-acting water cock, such as is used in the overhead tank in a bathroom. Water is admitted to the box and connecting barrel and is automatically cut off when the barrel is full. Remove a portion from the barrel and an equal quantity is automatically admitted

the water up instead of being obliged to fill the can at a faucet. The whole cost of the apparatus is less than \$2.00

L.

CHRYSANthemum SOCIETY.

Work of the Committees.

NEW YORK, Nov. 19.—C. W. Ward, Queens, N. Y., exhibited David S. Ward, incurved Japanese, white. Scored, both scales, 86 points. Rough Rider, by the same grower, incurved Japanese, pink. Scored, commercial scale, 76 points. Also, Admiral Dewey, Japanese, reflexed, chrome yellow. Scored, commercial scale, 74 points. Geo. Gipson, E. Islip, N. Y., exhibited Mrs. Bradish Johnson, Japanese, pink. Scored commercial scale, 70 points. A. Herrington, Madison, N. J., showed Florham, close incurved Japanese, yellow. Scored commercial scale, 73 points.

NEW YORK, Nov. 26.—John Lewis Childs, Floral Park, N. Y., exhibited

White Maud Dean, white, pink tinge, incurved Japanese. Scored commercial scale, 85 points.

BOSTON, Nov. 26.—Grove P. Rawson, Elmira, N. Y., exhibited Eclipse '98, light yellow incurved Japanese. Scored both scales, 94 points.

PHILADELPHIA, PA., Nov. 26.—Nathan Smith & Son, Adrian, Mich., exhibited Nagoya, yellow Japanese reflexed. Scored commercial scale, 87 points. Xeno, by same grower, pink Japanese incurved. Scored commercial scale, 89 points.

CINCINNATI, Nov. 26.—John N. May exhibited Adula, white incurved Japanese. Scored commercial scale, 85 points. This is the same variety that was exhibited as No. 12—'95 at Boston, Philadelphia and Chicago Nov. 19th. Nathan Smith & Son, Xeno, pink Japanese incurved. Scored commercial scale, 85 points.

CHICAGO, Nov. 26.—Nathan Smith & Son, Xeno, pink Japanese incurved. Scored commercial scale, 89 points.

ELMER D. SMITH, Sec'y.

PHILADELPHIA.

Thanksgiving Week.

Thanksgiving week has come and gone, leaving somewhat mixed feelings among those interested in flowers. Business was good generally with prices firm. The snow storm which arrived on Thursday proved a serious matter to those who expected to sell lots of roses red and violets blue for good old Penn's last football game. College youths didn't give their best girls their colors to wear in corsage bunches just to have them show the "white feather" before being fairly seated. Then, too, lots of mothers wouldn't let their daughters sit out for nearly three hours in a blinding snow storm. The wholesalers suffered much more. Barring red and blue it was a very good Thanksgiving, indeed, all around.

Beauties, the cream, went up a dollar, touching \$5 a dozen. Brides and Maids brought \$4 to \$6, a few extras \$8 and a very few specials \$10; Meteors about same, short Beauties \$1 to \$1.50, sharing business in red with them. W. C. Smith had some Woottons that brought \$8.

Carnations sold well. W. J. Baker got \$2 for a few Daybreak and Flora Hill; S. S. Pennock \$2.50 for Triumph, the same lovely Flora and some choice fancies. The bulk of the stock brought \$1 to \$1.50. Chrysanthemums sold well, but at moderate prices. Edward Reid had a good many and cleaned up well; \$4.25 to \$7.50 is about all that good stock brings. Much of it is sold lower.

A few good Romans are in and bring \$4, as also Valley. Paper whites go slow at \$3 to \$4. C. W. Cox has some nice ones. Dendrobiums bring 35 to 40 cents; cypripediums, 15 to 20 cents;

Asparagus Sprengeri, 5 cents a spray; adiantums, 75 cents to \$1.

Violets were in liberal supply and sold well until Thursday morning, singles, the best, 50 cents a hundred, a few specials, 75 cents; doubles, 75 cents to \$1. A good many poor violets arrived mixed in with the good flowers. Just remember, growers of violets, that as a rule a bunch is worth what its poorest flowers will bring and no more. It pays to grade stock. Nearly everything really good sold, and we ought to be thankful.

Plants are moving briskly. Chrysanthemums in pots, like the cut flowers, are nearly over. Palms and ferns are active; nearly all sorts have sold well; some sizes are scarce. Boston fern is nearly sold out. The people are beginning to find out that it lasts in the house and the retailers that it makes a beautiful finish to a decoration, taking away all necessity for anything further to hide the pots.

Bulb Trade.

Bulbs, the seedsmen say, have sold about as well this season as last for forcing purposes, rather better for outdoor planting. The florists ought to be benefited by the new move the importers have made in declining to sell bulbs this fall to certain growers who are "under the ban." These growers used to sell bulbous stuff in bloom below cost, thus breaking the market and then settle with the importers for some fifty per cent of their bills.

Boston has a cold storage plant under the Hotel Lorraine. Fleischman has one in his New York store. Now, thanks to the pluck and enterprise of Samuel S. Pennock, Philadelphia is the first city to have a wholesale florist's so equipped. Mr. Pennock has fitted up two rooms with a complete cold plant, in which he can manufacture 100 pounds of ice daily. They are lit by electricity and are thoroughly modern, with a most ingenious new door. The plant is only just ready for the reception of flowers so that a short time must elapse before it can be proved the success which Mr. Pennock confidently anticipates. Such enterprise deserves success.

A Novel Window Decoration.

The most novel store window decoration was arranged by Jos. Kift & Son before the Indian-Pennsylvania football game. Robert Kift bought a bag of peanuts after lunch. Nothing extraordinary but what came of it—a miniature field of green moss, crossed by bars of foil covered wire with goals and posts of the same foil wire and twenty-three little fellows disporting themselves between the goal posts. Eleven had foil-covered wire legs and arms, with faces painted and red sweaters for the Indians. Eleven were constructed in a like manner, only they had red and blue sweaters painted on their brown bodies to represent Penn's sturdy sons. The last peanut was the

football. A capital hit. With what simple tools genius works.

In concluding a year's work, the writer of these notes wishes to thank his readers for their kind indulgence. If anything has appeared that may have given offense it has not been intentional. The sole object kept in view has been to give an idea or scrap of information that might prove useful or interesting, in not too dry a way. With good will towards all and malice towards none, farewell.

J. W. Y.

CHICAGO.

The Market.

Thanksgiving Day trade was generally satisfactory though the results would have been better had all the available stock been placed on the market at the right time. With many the week preceding was even better than Thanksgiving week. But a big lot of stock was marketed both weeks and at very good figures. All good stock that reached the market Monday and Tuesday found ready sale, but on Wednesday the receipts were so heavy that prices weakened some and in the case of violets in particular there was a heavy drop. This was particularly aggravating, as had the supply been marketed more uniformly all could have been sold at top figures, for on Monday and Tuesday the demand was strong. There were a good many chrysanthemums in the market and all good ones that were received by Tuesday morning found ready sale. A considerable quantity of poor grade flowers and better ones that came late suffered. Carnations, that were in such urgent demand Monday and Tuesday, also suffered some on Wednesday. Kennicott Bros. Co. tell of the experience of one of their growers who brought in 800 carnations on Monday and received returns of \$19.85 for them, while 600 that he brought in on Wednesday realized only \$6.90.

A feature noted by many dealers was the large proportion of white flowers called for, which was very unusual for a holiday. One cause for congratulation was the absence of pickled stock.

Every holiday experience fortifies the belief that when a period of great scarcity precedes a holiday it is wise for the grower to get his stock in early and get the benefit of the anticipatory demand, for there is pretty apt to be a slump at the last moment.

One thing that probably helped the late drop this time was the weather, which was such as to keep the fakir off the street and thus close the outlet for the second and third grade stock.

Since Thanksgiving prices have been somewhat easier, though on the best grades they have been very well maintained. Business is not remarkably brisk, but there is enough to take care of the moderate supply of really



Group of Members of the Detroit Florists' Club.

good stock coming in, though sales are occasionally forced on lower grades. American Beauties are held stiff at top figures.

The Jewish bazaar is helping trade considerably this week. There have been very heavy purchases for the flower booth, at which it is expected fully \$4,000 worth of flowers will be sold during the week. Mr. C. A. Samuelson is managing the booth for the committee.

Various Notes.

Several changes among the wholesalers are reported. Klehm's Nursery will discontinue their city sales place. F. F. Benthey has left S. B. Winter and is interested in a new commission house to be opened next Monday at 41 Randolph street.

There seems likelihood of a scarcity of bouquet green.

Mr. J. H. Brumby, who has for some years been interested in the Twin City Floral Co., Benton Harbor, Mich., is now in charge of the large private place of Mr. F. C. Austin, Harvey, Ill. Among the new work at this place will be the laying out of a 10-acre park.

Bowling.

Following are the scores and averages made at the alleys last Friday evening:

	1st.	2nd.	3d.	Av.
J. S. Wilson.....	130	197	161	162 2-3
E. F. Winterson.....	170	171	146	162 1-3
W. Kretling	123	...	...	123
Jno. Degnan	104	128	119	117
A. Henderson	90	125	111	108

After the above series was played the party had some hot sport playing four-back.

SALEM, MASS.—Henry T. Conant & Co. have succeeded T. W. Head & Co. at 133½ Essex street.

ST. LOUIS.

The Market.

Thanksgiving Day business was good and there was enough doing since to keep the trade lively. The commission men claim that local trade was about the same as last year, with shipping trade better and on the increase. Beauties of first quality are very scarce, with demand good; price ranged from \$10 to \$25 per 100. Good first class Meteor stock is selling well as this is about the best keeping rose in the market; the dealers always buy heavy of this variety. They bring \$4 and \$6. For the best Brides and Maids the price is the same. Perles and Woottons are plentiful and bring \$2 and \$4.

Carnations advanced a little in price last week. The best Scott, Daybreak, Flora Hill, and Jubilee sold as high as \$3, but the bulk went at \$2 and \$2.50 per hundred. Double violets seem very scarce and bring \$1 per 100. California are of very fine quality and sell at \$1; small single sold at 35 cents last week. Valley still brings \$4. A few narcissus have made their appearance, but no Romans or Harrisii are seen. Smilax is \$12 and \$15 and Asparagus 50 cents per string.

A few of the shippers to this city will suffer the loss of some of their consignments last week on account of arriving in a frozen condition.

Notes.

The Ayers Floral Co., who have just opened a new store on Grand avenue, received on Saturday, six large boxes of plants, mostly palms, from the East, which arrived frozen and not one of them can be used. The plants were to be used to stock their new green house in the rear of their store.

Martin Reukauf, representing H. Bayersdorfer & Co., Philadelphia, was in the city a few days last week with novelties for the holiday trade.

W. R. Snead, with Caldwell, The Woodsman Co., of Evergreen, Ala., was a visitor a week ago, selling Christmas greens.

The Florist Club meeting will be held on Thursday, Dec. 8, at 3 o'clock p. m. President Sanders wishes all members to be present as the Exhibition Committee will make its report and matters of great importance will come up. This will need a full attendance and every member who has the interest of the club at heart should be present.

A meeting of the Exhibition Committee was held Saturday night. In looking over the expense account it was found that they were not so deep as they anticipated as all special prizes are not yet paid.

The new store of Alex. Waldbart & Sons is at 603 Washington Ave., instead of 605, as we had it last week.

Bowling.

The Bowling Club has not been having its weekly bowling of late as the mum show interfered greatly with the members, most of the committee being regular rollers. After the show matters have been finally adjusted the Club will settle down to hard work every Monday night until we go to Detroit and again win the Evans' Challenge Cup, now safely in our hands.

J. J. B.

DETROIT.

Trade Exhibitions.

Last week one of the most elaborate displays of chrysanthemums and orchids was given by John Breitmeyer & Sons. This firm makes a practice of holding a show each year, but this one eclipsed all previous efforts. A short description of the arrangement may interest the trade in general.

On entering the store one sees large vases filled with specimen blooms at each side of the entrance to the private office in which is made each day a table decoration of a different character. The pilasters and mirrors of the walls were arranged for mantel effects, being vased with cosmos, pink and white, and bordered with A. plumosus. The entrance to the conservatory was formed by a rustic arch composed of orchids of many varieties, which seemed to be growing in plumosus and ferns and with colored incandescent lights arranged for best effects formed a study in beauty. At the extreme end of the conservatory was a gallery where a mandolin orchestra furnished most delightful music.

Of the many varieties of mums shown those which attracted the most attention were Western King, Philadelphia, Pennsylvania, Golden Wedding, and a novelty named Rough Rider. The show was very successful as to attendance for Wednesday,

by actual count, 2,893 persons visited it between 9 a. m. and 10 p. m. Mr. Breitmeyer thinks that such exhibitions pay, for they create a desire to buy and so stimulate trade.

Mr. B. Schroeter also believes they pay and gave one last week, showing some very fine blooms.

All the retailers report business good.

Club Notes.

The regular meeting of the club on last Wednesday was a most interesting one for the members are beginning to realize that the meetings are for everybody and all are taking part, thus getting points from each other's experience. The president appointed Mr. Holtznagle to prepare a paper for the next meeting on the growing of the ten best chrysanthemums for commercial use. We also added two new members to our roll. RAG.

GRAND RAPIDS, MICH.

Tuesday morning heralded in an able-bodied blizzard, accompanied with a high wind and snow. The storm subsided on Wednesday, but the cold continued through Thanksgiving, making the wrapping of plants sent out a necessity. In decorating, Crabb & Hunter had the largest individual order, being five loads for the St. Cecilia building. Trade, as a whole, was much better than last year, with some, a record-breaker. The demand was strongest for the best grade of flowers, and those who handled that grade, did the largest increased business. The heaviest demand was for mums, the best that could be had, and that grade brought \$2 per doz.

The store price for carnations was 25 and 35 cents per doz. Roses varied all the way from 75 cents to \$1.50; A. B.'s, \$2 to \$3 per doz., with practically no A. B.'s to do business with, but no harm was done, as mums were usually worked off as a substitute. Violets sold well at 20 to 25 cents per doz. One store continued its 15 cents per doz., two for a quarter rate, but it did not affect the regular price any. The demand for 25-cent per doz. mums has dwindled down to almost the vanishing point. Supply was equal to the demand, except on Beauties. And there are still some mums to be seen. All agree that growing mums is a losing game. One even expressed himself as not going to grow any at all next year.

Thanksgiving Reports.

Henry Smith reports Thanksgiving trade, not only the best he ever had, but it was so great that it was more like Xmas. A few fine eucharis blooms and some grand Meteor roses were seen here.

Alfred Hannah's business was some better than last year, the most demand being for large mums.

Wm. Cunningham says their trade was fully 50 per cent better. Here carnations sold for 30 cents per doz.

Simplicity in Greenhouse Construction.

During our long experience we have not only made many improvements in greenhouses, but we have so simplified the construction that building a greenhouse is no longer a matter so full of complications as to tax the patience and the ingenuity of even the most intelligent mechanic. Our

Clear Cypress Building Material

is worked out in the best manner ready to be put up, and we furnish our customers such complete detail drawings that any workman of only ordinary capabilities can put it up correctly.

Write for Circulars
or Estimates.

Lockland Lumber Co.

LOCKLAND, OHIO.

Mention The Review when you write.

It must be borne in mind that Mr. Cunningham, last Thanksgiving, was not so firmly established in business as he now is, being a beginner.

T. R. Renwick & Co., the oldest establishment in town, declare business was not nearly so good this year as last, and do not believe the general tone has improved any.

Crabb & Hunter did a business far in excess of last year, it being a record-breaker, both in the retail and shipping departments. Principal demand was for large mums and violets.

F. A. Chapman notes a slight increase over last year's business.

Paul Goebel declares business just about the same.

Freyling & Mendalls report the same as last year.

James Schols says he did just as good a trade. Greatest demand was for mums.

It was noted that a lower price (except 25-cent violets) prevailed at most of the greenhouses, than at the stores. GEO. F. CRABB.

DAVENPORT, IA.—Work has been commenced upon the superstructure for the new addition to the conservatory at Central Park. Lord & Burnham have the contract.

WANT ADVERTISEMENTS.

WANTED—At once, single young man to take charge of carnation house, must have two or three years' experience; only steady and industrious persons need apply. Wages advanced yearly. State wages wanted with board. State Nursery Co., Helena, Mont.

WANTED—A lady thoroughly posted in retail cut-flower business to buy part interest in well established place. For particulars, address Box 28, Baker City, Oregon.

SITUATION WANTED—As working foreman or grower, by a thoroughly experienced florist, in a place where first class stock is called for; age 32, single, strictly sober and good references; at liberty after Christmas. Address Grower, care of Florists' Review.

WANTED—A good all-round florist, must be good on design work, sober and honest. Will pay \$50 per month for right man. Address H., Florists' Review.

WANTED—Man for a small private place, must understand roses and carnations. Address R.W., care of Florists' Review.

SITUATION WANTED—By young man of 31, situation in first class cut-flower store in large city; second to none as cut-flower worker and decorator. Address Royal, care of Florists' Review.

SITUATION WANTED—By a young man of 22, as assistant in general greenhouse work, five years' experience, A1 reference. Address Worker, care of Florists' Review.

WANTED—A man to take charge of a section of rose houses; call at 51 Wabash Ave., Chicago.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

FOR RENT OR SALE—First class retail stand, 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

SITUATION WANTED—German, single, 20, with several years greenhouse experience; for the last year with carnation grower; wishes position on place where there is a chance to work himself up. Address A. Ludicke, P. O. Box 466 West Troy, N. Y.

FOR SALE. A well established and paying **FLORIST BUSINESS**, with ten to thirty acres. 17,000 square feet of glass. Good residence and houses for help; everything in first class condition. Abundance of water. Situated near one of the largest cities in California. Ill health and a desire to retire from business cause for selling.

For full particulars and price, address **Lock Box 720, - LOS ANGELES, CAL.**

Mention The Review when you write.

WANTED. A young man with some experience in the flower business. Must furnish best of reference as to character. This is a good chance for a bright, healthy, plucky young man to learn the up-to-date methods of a retail florist. When answering state experience, references and wages expected. Don't answer unless you are willing and think you are able to stay with employees of your weight.

H. H. BATTLES,
108 South 12th St., Philadelphia, Pa.



Vaughan, McKellar & Winterson

CUT FLOWERS.

ROSES.

Beauties, long.....	per doz., \$3.00 to \$4.00
" medium.....	2.00 to 3.00
" short.....	1.00 to 2.00
Brides, Maids, Meteor....	per 100, 3.00 to 5.00
Kaiserin, La France....	3.00 to 5.00
Perle.....	3.00 to 4.00
Roses, our selection.....	3.00 to 4.00

CARNATIONS.

Fancy Stock.....	per 100, \$1.50 to \$2.00
Ordinary Stock.....	1.00 to 1.50

CHRYSANTHEMUMS.

Fancy Varieties.....	per 100, \$15.00 to \$25.00
Medium Stock.....	8.00 to 12.00
Common Stock.....	4.00 to 6.00

MISCELLANEOUS STOCK.

Violets.....	per 100, .75 to 1.50
Valley.....	4.00 to 5.00

ORCHIDS.

Cattleyas.....	per doz., \$8.00
Cypripediums.....	2.00
Assorted Orchids.....	box, 10.00
Above prices subject to change without notice.	
Give us your Thanksgiving order early.	

Decorative Stock.

Wild Smilax, parlor brand.....	\$3.75
" medium case.....	5.50
" large case.....	8.00
Asparagus Plumosus.....	per doz., 5.00
" string.....	.50
Smilax.....	per doz., \$1.00 to 1.50
Adiantum Ferns.....	per 100, .75 to 1.00
Common.....	per 100, .15
Galax Leaves.....	per 1,000, 1.50
Farleyense Fronds.....	per doz., 1.00
We carry a good stock of above always on hand and can fill orders promptly.	

Cyclamen Plants.

Plants from this stock were awarded FIRST PREMIUM at Chicago Show against five competitors.

POSITIVELY NONE BETTER.

NOW READY to be shipped direct from Greenhouses.

600 3-inch pots.....	per 100, \$8.00
2,000 4 ".....	12.00
1,000 5 ".....	25.00
500 6 ".....	50.00

XMAS STOCK.

ORDER NOW and secure your supply early.

Holly and Green.

We will meet the quotations of any reputable Western House.

We have fresh goods of the following and are ready to fill your orders:

CAPE FLOWERS,
IMMORTELLS,
PAMPAS PLUMES,
FAIRY FLOWERS,
SHEET MOSS,
SPHAGNUM MOSS,
VASES, RIBBONS,
WHEAT SHEAVES, DOVES,
TIN FOIL, TOOTH PICKS,
BASKETS, BOUQUET PINS,
VIOLET TIN FOIL, CHENILLE.

And everything used by Florists.

Store open from 7:00 A. M. to 7:00 P. M.
Sundays and Holidays, 7:00 A. M. to Noon.
All orders packed with the greatest of care and shipped on time.

VAUGHAN, MCKELLAR & WINTERSON,

Tel. Main 1129.

45-47-49 Wabash Avenue, CHICAGO.

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416 Walnut St. Wholesale Florists
CINCINNATI, O.

W. A. MANN.
FRANK W. BALL.

Consignments Solicited.
Special Attention Given to Shipping Orders.
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Max Rudolph

WHOLESALE FLORIST,
11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.
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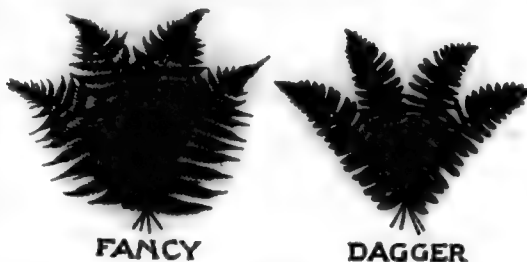
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Special facilities for shipping south. Unequaled
returns for good stock. Open night and day.
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Maplewood Cut Flower and Plant Co.

GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.
Regular shipping orders given special attention. We
have the largest plant west of Chicago.
Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.



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HARDY FERNS.

WARRANTED FIRST QUALITY.

Special attention paid to supplying Wholesale Dealers. Write for prices.

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Oldest, largest and most reliable dealer in the United States.

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Phone 874. WIRE DESIGNS—OUR OWN MAKE

457 Milwaukee St.

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Adiantum Farleyense, 8-in. pots, \$20.00
per 100; 4-in. pots,
\$35.00 per 100.

CYCLAMENS, assorted, best, 3-in.,
\$6.00 per 100.

SAMUEL MURRAY,

Successor to Probst Bros. Floral Co.,
1017 Broadway, - KANSAS CITY, MO.
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ANTON SCHULTHEIS, P. O. Box
78...
College Point, Queens Borough, N. Y.
HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity

Come, see Ericas (Heather), also Full
and convince yourself Line of Other Flowering Plants
Price List on Application.

Mention Florists' Review when you write.

NEPHROLEPIS Fine, Strong,
3 1/2-inch plants,
\$7.50 per 100.
CORDATA 4-inch plants,
\$15.00 per 100.
COMPACTA. Cash with order.

H. HILMERS,

Box 650. BLUE ISLAND, ILL.
Mention The Review when you write.

KIRKWOOD, MO.

Mr. Wm. Winter has added two houses, each 18x100, for carnations.

Mr. Arnold Schneidecker has built a house 18x100 for California violets.

Mr. R. Wolfsberger has built a house 12x112 for California violets.

Mr. A. H. Troegeler has built a double gable house 22x32 for California violets.

Five years ago there were but two greenhouse establishments in and about Kirkwood, but now there are eleven families that get their living from this industry, and with but two exceptions all grow carnations and violets exclusively.

F. W. UDE, JR.

ERIE, PA.—H. A. Niemeyer gave a chrysanthemum show at his store Nov. 9 to 12.

SEATTLE, WASH.—The "opening" of McCoy's new store took place Nov. 17, 18 and 19, at 1016 Second ave.

COLUMBIA, MO.—The Missouri State Horticultural Society will hold its annual meeting here December 6 to 8.

GUELPH, ONT.—Agnes W. Mann has purchased the business of her father, W. M. Mann, and will continue same.

LA CROSSE, WIS.—Chas. Gorder, formerly with the Salzer Seed Co., has opened a cut flower store at 304 Main street.

HOUSTON, TEX.—W. W. Westgate has changed his postoffice to Brunner for greater convenience in receiving his mail.

PITTSBURG.—The annual chrysanthemum show at the conservatories in Schenley Park drew immense crowds of people.

CHESTER, PA.—J. H. Brinton & Smith, of Chester Heights, have completed the erection of three large greenhouses.

LATROBE, PA.—Will G. Young has opened a retail cut flower and seed store here and would like to receive wholesale catalogues.

LYONS, IA.—Mrs. M. E. Eaton furnished the plants and flowers for a chrysanthemum show given by a local organization Nov. 16.

BAY CITY, MICH.—The chrysanthemum exhibition at the store of the Irvine Floral Co. attracted crowds of visitors. The table decorations were a decided feature.

BRIDGEPORT, CONN.—O. H. Nye invited the public to a pretty show of chrysanthemums, etc., at his greenhouses, Nov. 17 to 19.

REINBERG BROS.

600,000
FEET
OF
GLASS.

Wholesale
Growers of

Cut Flowers

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine . . .

AMERICAN BEAUTIES.

Give us a trial and convince yourself.

51 Wabash Ave., CHICAGO

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PRICE LIST.

CHICAGO, December 1, 1898.

AMERICAN BEAUTY

Extra long stem . . . per doz.	\$4.00 to \$5.00
24-inch stem	3.00 to 3.50
20 "	2.50
15 "	1.50 to 2.00
12 "	1.25
8 "	1.00

METEOR per 100, \$4.00 to 6.00

BRIDESMAID 4.00 to 6.00

BRIDE 4.00 to 6.00

KAISERIN 4.00 to 6.00

PERLE 3.00 to 4.00

CARNATIONS, com'n . . . 1.50 to 2.00

fancy . . . 3.00

All other stock at lowest market prices.
No charge for packing.

Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of
and Dealers in **CUT FLOWERS**

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.



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A. L. RANDALL

Telephone
1496

Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better prepared than ever to handle your orders.
Mention The Review when you write.

Full Line of Wire Designs and Florists' Supplies

S. B. WINTER

Write for Illustrated Catalogue.

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21 Randolph St.
CHICAGO.

HIGH GRADE Cut Flowers

Properly Packed and Promptly Forwarded.

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Brilliant Green and Bronze

Galax Leaves

CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

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ST. LOUIS, MO.

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ELLISON & TESSON, WHOLESALE SHIPPING

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

...Home Grown Stock...

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C. W. WORS,

2740 Olive Street, - - ST. LOUIS, MO.

Flowers at Wholesale

ROSES, and a full line.

Headquarters for the Southwest.

ORCHIDS....

We are headquarters for imported and established Orchids of the finest quality. Also a complete line of material for Orchid culture.

Lager & Hurrell, Growers and Importers.... Summit, N. J.

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Carnations! All the new and leading varieties. Contracts for rooted cuttings made now. Send for prices stating what you want. Geo. Hancock & Son, Grand Haven, Mich.



KENNICOTT BROS. CO.

**Wholesale
Cut Flowers...**

Long Distance
Telephone
Express 466.

AND FLORISTS' SUPPLIES.

88 Wabash Avenue, Rooms 22 and 23, CHICAGO, ILL.

Carnations, Good Stock, \$1.00 to \$1.25

Roses, Good Stock, \$3.00
Brides, Maids, Meteors, Perles.

Smilax, \$1.50 per doz.

Ferns...

COMMON,
\$1.50 per 1,000
500 at 1000 rates.

Violets, \$1.50

All other Seasonable Stock at market rates.
Special attention given to the Shipping Trade.

Prices subject to change
without notice.

Special High Grade, Extra Select Stock

Roses now 4 to 6c. Carnations 2 to 3c.

**Stock will be Billed at Chicago
Market Rates.**

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SAMUEL S. PENNOCK, WHOLESALE FLORIST

ORCHIDS. We can now supply CATTLEYAS, DENDROBIUM FORMOSUM, CYPRIPEDIUMS, Etc., of Selected Stock, at short notice.

A constant supply of **SELECT VALLEY** the year round.
AMERICAN BEAUTIES OUR SPECIALTY.

1612-14-16-18 Ludlow St., Philadelphia, Pa.

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WESTERN PENNA. HEADQUARTERS FOR EXTRA FANCY STOCK.

Pittsburg Cut Flower Co.

...LIMITED...

705 Penn Avenue, PITTSBURG, PA.

Long Distance
Phone 2157.

**WHOLESALE
FLORISTS**

Write for Price List.
Consignments Solicited.

Mention The Review when you write.

COLUMBUS, O.

Mr. Frank Shattuck, foreman of the Columbus Seed Co., died recently of typhoid fever.

Mr. A. W. Livingston, the well known seedsman, has also been called, and was laid at rest Nov. 12.

Mr. J. B. Romans, one of the oldest florists of this city, has left town. His stock was sold at auction a few weeks ago.

SADDLE RIVER, N. J.

John G. Esler, secretary of the Florists' Hail Association, dislocated his right shoulder last week by falling from a four-foot platform. The accident was caused by a misstep in the dark.

OWENSBORO, KY.—On Nov. 5 Mr. C. G. Nanz lost a large part of his glass by hail. It took about 50 boxes of glass to replace the broken lights. Fortunately no serious damage was done to plants. Thos. Milne was also hit, but only on the west side of his houses, and his loss was fortunately much smaller than that of Mr. Nanz.

WASHINGTON, IA.—E. C. Keck is building a new house, 25x100, and is adding sufficient boiler capacity to allow of the erection of two more houses, each 20x80, in the spring.

ERIE, PA.—Leonard Spoden and Frank Hanson, of Fredonia, have leased the greenhouses formerly owned by Mrs. W. Niemeyer, at corner of 23d and Parade streets, and will continue the business.

"CONTINENTAL LIMITED."

NEW FAST TRAIN EAST VIA THE WABASH.

Leaves Chicago daily at 12:02 noon; arrives Detroit 8:20 P. M., Buffalo, 5:00 A. M. New York 3:30 P. M., Boston, 5:50 P. M.—only one night on the road. Through sleeper. Ticket Office, 97 Adams Street, Chicago.

14 DAYS ONLY.

	Per 100
5,000 Geraniums—Hermine. La Favorite, 2½-in.....	\$1.75
10,000 Geraniums—40 varieties, up to date, our selection, 2½-in.....	1.75
5,000 Geraniums—Mme. Sallerol, 2½-in.....	2.00
1,000 Velvet Plant, big seller, 2½-in.....	3.00
5,000 Iresines, red and yellow, for canna borders, 2½-in.....	1.75
5,000 Heliotropes, 3 fine bloomers, 2½-in.....	2.00
5,000 Feverfew—Little Gem, extra strong, 2½-in.....	1.75
5,000 Begonias, flowering 16 varieties, 2½-in.....	1.75
1,000 Begonias, " " " 3½ ".....	2.50
1,000 Cinerarias, 2½-in.....	2.00
3,000 Ivy Geraniums, mixed, 2½-in.....	1.50

The Morris Floral Co. MORRIS, ILL.

Mention Florists' Review when you write.

Headquarters for WESTERN PENNSYLVANIA

WM. F. KASTING,

F. STOKES, Mgr.

OUR ESTABLISHED 444 Sixth Ave., PITTSBURG, PA.
GOOD REPUTATION Long Distance Phone 2985
IN WESTERN NEW YORK
WILL INDUCE YOU TO GIVE US A FAIR TRIAL
Roses, Carnations and all kinds of seasonal flowers. Orders punctually filled within shortest notice.
Florists' Supplies and all kinds of Wire Designs always in stock.

Consignments of good stock solicited.

Cut Flower Exchange,

404 - 412 East 34th St., New York,

NEAR THE FERRY.

Open Every Morning at 6 o'clock for the sale of CUT FLOWERS.

Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

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KELSEY'S SOUTHERN

Galax Leaves

Brilliant Green and Bronze.

Information of the Introducer,

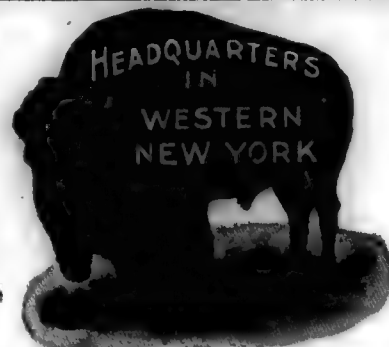
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Prop. Highlands Nursery in North Carolina. 1150 Tremont Bldg., BOSTON, MASS.

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WE CAN
PLEASE
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Roses,
Carnations
and all
kinds of
Seasonable
Flowers
in stock.

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Also Dealer in Florists' Supplies and Wire Designs.

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CUT FLOWERS,

1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

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LONG DISTANCE PHONE.

Consignments of Choice Stock Solicited.

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EDWARD REID,

Wholesale
Florist,

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DISTANCE
PHONE.

1526 Ransstead St., PHILADELPHIA, PA.

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H. Bayersdorfer & Co.

THE LARGEST
SUPPLY HOUSE
IN AMERICA

New Catalogue of all Florists' Supplies on application. For the trade only.

50 to 56 N. 4th Street, PHILADELPHIA, PA.

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PANSIES Worth Raising.

The finest Seed as usual, \$1.00 per package 3-16 oz. No more Plants before December 1, except transplanted blooming stock at \$10.00 per 1000, F. O. B. express.

Cash with Order.

C. SOLTAU & CO.,

199 Grant Ave., JERSEY CITY, N. J.

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SPECIAL ATTENTION.

W. S. HEFFRON BROS.

51 Wabash Avenue, Chicago.

WHOLESALE GROWERS OF Cut Flowers

We Are Headquarters for...

AMERICAN BEAUTIES,

of which we cut from 2,000 to 3,000 daily. Our Brides, Meteors, Maids and Perles were never better.

OF CARNATIONS

we grow 50,000 plants of all the leading varieties, and they cannot be surpassed.

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100,000 VERBENAS, THE CHOICEST VARIETIES IN CULTIVATION

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

{ No Rust or Mildew.
Packed Light and
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

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STOCK PLANTS WM. H. CHADWICK Chrysanthemum.

GROVE P. RAWSON, ELMIRA, N. Y.

Unquestionably the grandest of all whites, \$3.00 per dozen.

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GOLD FISH

Make an elegant side line for florists. They are hardy, can be kept in greenhouse or any ordinary room where it does not freeze hard enough to break the glass aquarium containing them. They require little care and a dime's worth of food will last one hundred fishes two weeks. They make a beautiful window or counter display and there is a good profit in handling them, as we can furnish medium sized fish, such as retail at 25c to 35c each; wholesale for \$1.20 per dozen; \$7.50 per hundred. Fancy fishes higher. Buckets to ship in, six quarts (will hold one dozen) 20c extra. Large cans are returnable. Terms—cash with order. Ask for retail descriptive catalogue and wholesale price list of Fancy Fish, Cage Birds, and all supplies for them. We ship everywhere.

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... PRINTING HOUSE ...

Nursery
Seed
Florists'



Catalogues

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PRICE LIST.

CHICAGO, Dec. 1, 1898.

Am. Beauty, extra	Per doz.
long stem	\$4.00 to \$5.00
24-in. stem	3.00 to 3.50
20-in. "	2.50
15-in. "	1.50 to 2.00
12-in. "	1.25
8-in. "	1.00
Meteor	per 100, \$4.00 to \$8.00
Bridesmaid	" 4.00 to 6.00
Bride	" 4.00 to 6.00
Kaiserin	" 4.00 to 6.00
Perle	" 3.00 to 4.00
Carnations, common	" 1.50 to 2.00
fancy	" 3.00

All other stock at lowest market prices.
No charge for packing.



51 Wabash Ave. CHICAGO.

W. S. HEFFRON, Mgr.

CHICAGO, Dec. 1, 1898.

ROSES

Beauties, long	per doz.	\$3.00—\$4.00
medium	"	2.00—3.00
short	"	1.00—1.50
Brides, Maids	per 100,	3.00—4.00
Perles	"	2.00—3.00
Meteor and Kaiserin	"	3.00—4.00
Roses, 2nds average about	"	2.00

CARNATIONS

All the leading standard sorts—
highest grade, per 100 1.50—2.00
Triumph, Painted Lady, Albertini,
Jubilee, Armazindy, Keller and
others per 100, 2.00—3.00
Prices quoted are for good prime stock. Ex-
tra Select, and inferior quality charged for
according to value.

MISCELLANEOUS

Alyssum	per 100,	\$.25
Marguerites	"	.50
Valley, good home grown	"	5.00
Violets, double	"	.75—1.50
single	"	.75—1.00
Romans, P. W. Narcissus (scarce)	"	4.00—5.00

DECORATIVE

Asparagus	per string,	\$.50
Ferns, common	per 100,	.15
" per 1000,	\$1.25	
" Maiden Hair, Ex. Fancy	"	1.00
" ordinary	"	.75
Galax, green, new crop	"	.15
" per 1000,	1.00	
Leucothoe Sprays, per 100, 60c;	"	5.00
Smilax, good	per doz.	\$1.20 to 1.50
" Wild, parlor brand, case	"	3.75
" Medium, case	"	5.50
" Large	"	8.00

Carnations

OUR SPECIALTY

Quotations Subject to Change
Without Notice.

Write for prices on large quan-
tities for special occasions.

Regardless of prices quoted we al-
ways bill out at lowest market rates.

P. & D.—AT COST.

Use the code. It will save you
money. We know what it means. Get
your orders in as early in the day as
possible.

...NOW IN COURSE OF PREPARATION...

THE

Florists' Manual

By WM. SCOTT.

It will tell you just what you want to know in
just the way you want to be told.

It will cover the whole field of Commercial Flor-
iculture, the articles arranged alphabetically, so
that reference may be quick and easy.

Price, \$5.00.

Send in your order now.

Florists' Publishing Company
520-535 Caxton Bldg., Chicago.

A profitable investment for (up to date) growers
of Cut Flowers.

IRISH-GROWN Daffodils for Forcing.

The cream of the marketable varieties.

Lily of Killarney (new), a magnificent variety, the
flowers are pure white, petals and cup as large as Sir
Watkin. Per 100, \$4.00 Per 1,000, \$30.00.

Leedal, Superbus Alba, broad white petals, white
cup, a most beautiful variety, flowers like a Eucharis
Lily (rare). Per 100, \$3.00. Per 1,000, \$25.00.

Sulphur Phoenix, large double white rose-shaped
flowers, very chaste and much prized for bouquets,
etc. Per 100, \$2.00. Per 1,000, \$15.00.

Narcissus Poeticus Ornatus Alba, petals pure white,
broad and well formed; cup white, beautifully
fringed, for forcing. Stock limited. Per 100, \$2.00.
Per 1,000, \$15.00.

The above are unsurpassed for forcing, cutting for
market they have no equal and realize enormous
prices at Easter.

Also the following forcing stock in sound condition
at the following low prices to clear: Per 100 Per 1000

SIR WATKIN	\$2.00	\$17.00
EMPEROR	2.50	20.00
EMPRESS	2.00	17.00
BARRI CONSPICUUS	1.75	15.00
GOLDEN SPUR	1.75	15.00

All full sized bulbs and true to name. Satisfaction
guaranteed. Cash with order, please. 10 per cent. off
orders \$,000 and upwards. F. O. B. Liverpool. No
charge for pack ge

A. KNIGHT, Daffodil Specialist,

13 A Clanbrassil St., DUBLIN, Ireland.

Mention Florists' Review when you write.

CARNATIONS.

H. WEBER & SONS, - OAKLAND, MD.

Always mention the Florists' Review when
writing advertisers.

BERLIN, ONT.

The Toronto Show.

Having been connected with the Toronto chrysanthemum shows since the first one, of course I had to take a run up to see the last one. As regards the show, it showed no signs of falling off, and was fully up to the mark—perhaps better in the quality of bloom. The roses were certainly bigger and larger; grafted stock, I expect. Messrs. Dale, Dunlop and the North Toronto Floral Co. were, as usual, the chief exhibitors. And the orchids were simply magnificent, two great banks of them being set up in natural style on each side of the stage and another in the middle. Manton Bros., Exhibition Park and Horticultural Gardens, were the prize winners. As regards attendance, owing to bad weather and other causes I am afraid the show was not a success; but no doubt your Toronto correspondent will give full particulars. I was unable to stay and see the finish. I should mention, though, that I was very glad to note that the Horticultural Society exhibit was much larger and better than last year, and created much interest.

Trade Conditions.

Two or three weddings, two or three debutantes debuting, and a large funeral have made things pretty lively here for the florist lately, the only thing to be found fault with being prices; but these, it is to be hoped, will improve as flowers become a necessity to the progressive housewife.

A.

OMAHA, NEB.

Death of H. Frey.

Mr. H. Frey, of the firm of Kastner & Frey, died Nov. 22 as the result of a terrible scalding with steam and hot water.

Mr. Frey, assisted by J. Williams, an employe of the firm, was attempting to transfer steam from one boiler to another, when a plug blew out, the escaping steam and water completely enveloping him. He was taken to a hospital and all that was possible was done to relieve his sufferings, but he was so seriously scalded that his injuries were necessarily fatal and he died soon after.

Mr. Williams was also badly injured and it is feared he may lose one eye, but otherwise his case is not serious.

Mr. Frey was the son of H. H. Frey, of Lincoln, Neb., and the remains were taken to that city for interment.

The deceased was popular in the trade and his untimely taking off is deeply deplored.

FREDERICK, MD.

The annual chrysanthemum show of the Frederick County Floricultural Society was held Nov. 8 to 12, and the

Bouquet Green Bouquet Green Wreathing Best Selected Delaware Holly

WE ARE
WESTERN
HEADQUARTERS

Every case reinspected before shipping and none but fancy grade sent out.

Mistletoe, Needle Pines, Palmettos, Florida Moss, Wild Smilax, Etc.

GET YOUR HOLIDAY SUPPLIES FROM US.

ELLIS & POLLWORTH, - - MILWAUKEE, WIS.

Mention The Review when you write.

Areca Lutescens, **C**ocos Weddeliana,
Kentia Belmoreana, **L**atania Borbonica,

FOR PRICES AND SIZES see Florists' Review, November 17th, page 600.

Joseph Heacock, Wyncote, Pa.

Mention The Review when you write.

Herr's Carnations.

YOU RUN NO RISK.

All Carnation Cuttings are sent out with the privilege of returning them at my expense if they are not found satisfactory on receipt and your money returned in full.

I have from 1,000 to 5,000 stock plants of each of the leading varieties, and offer Rooted Cuttings at very reasonable prices. Correspondence solicited.

ALBERT M. HERR,
LANCASTER, PA.

Mention The Review when you write.

display exceeded that at previous exhibitions.

Henry Fisher, of Baltimore, acted as judge, and prizes were won by John C. Hardt, O. P. Bennett, David Graff, Miss Minnie Miller, Silas Butler, C. Herman, H. C. Keefer, C. E. Kemp.

A WINDMILL SCHEME.

A Long Island subscriber writes that a man is visiting the growers who agrees to repair windmills for a certain sum, and on the plea of buying material secures some money on account and fails to return. He desires to warn others against this party.

MILWAUKEE, WIS.

The palm swindler is in town and as a consequence McKenny & Co. mourn the loss of \$100 worth of plants. The plan adopted to secure the plants was the same as reported from various other cities in the columns of the trade press.

CHANGE OF NAME.

Mr. J. M. Gasser has changed the name of his new carnation from "Admiral Dewey" to "Merrimac."

Special Offer of

LATANIA BORBONICA, 4½-inch pots, stocky plants, per 100..... \$25.00

PHOENIX CANARIENSIS, 4½-inch to 5-inch pots, fine, per 100..... 30.00

☞ This is a Bargain.

ADIANTUM FARLEYENSE, 3-inch, per 100..... 25.00

ADIANTUM FARLEYENSE, 4-inch, per 100..... 35.00

ADIANTUM FARLEYENSE, 5-inch, per 100..... 60.00

☞ Elegant Stock.

Send for our Wholesale Price List of

Palms, Ferns, etc.

Cash or satisfactory references must accompany all orders.

J. B. HEISS,

THE - EXOTIC - NURSERIES,

DAYTON, OHIO.

Mention Florists' Review when you write.

HOLLY, HOLLY and BOUQUET GREEN

Very choice Delaware Holly.....\$3.00 per case.

Good Delaware Holly 2.50

Bouquet Green 4.00 per 100

Galax Leaves..... 1.00 per 1000

Moss, Peat, Palm Leaves, all kinds of decorative goods. Laurel Ropeing and Running

Cedar. Holly Wreaths \$3.50 per 100.

Special prices on large orders. Terms Cash.

A. K. SAVACOL, - - LEWES, DEL.

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F. Dorner & Sons Co.

La Fayette, Ind.

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HOLLY AND GREEN.

We are now booking orders for the above. We guarantee the quality.

E. H. HUNT, 76-78 Wabash Ave., CHICAGO.

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CHRYSANTHEMUMS. STOCK PLANTS.

Rose Owen
Golden Trophy
Lady Fitzwygram
Yellow Monarch
Riverside
Glory of Pacific
J. H. Woodford
Major Bonaffon
Mrs. W. P. Raynor
Also Mrs. H. Weeks, Miss Gladys Vanderbilt, Maud Adams and J. M. Gifford, at \$2.00 per doz.

Also Varieties introduced in 1898.

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Yellow Fellow
Pennsylvania
Frank Hardy
Boundless Snow
Spottswood
Minnewaska
Merry Christmas

G. F. Atkinson
Maud Dean
Mrs. R. D. Douglas
Western King
Evangeline
Mrs. H. Wright
Dorothy Devens
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Snow Queen
Blackhawk
Australian Gold
Solar Queen
Autumn Glory
Chempwec
T. H. Spaulding
Madeline Pratt
at 30c each, \$3.00 per doz.

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CARNATIONS all sold.

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Stock Plants of the best commercial and exhibition varieties, true to name, at \$6, \$8 and \$10 per 100. 20 at 100 rates.

Novelties of '98, \$1.50 to \$3 per doz.

We can use some H. P. Roses in exchange.

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Pandanus Veitchii.

For sizes and prices see "Review" of November 24th, page 690.

John Welsh Young, - Germantown, Pa.

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Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

Largest stock in America.

SIEBRECHT & SON,

New Rochelle, N. Y.

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Would you like some EARLY

ROOTED CUTTINGS

of Woottons, Perles or Kaiserins, for next spring and summer bloom? Will have them ready for shipment about December 15th. Write for prices to

GEO. A. KUHLE, Pekin, Ill.

Long Distance 'Phone 14.

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HUNT'S WEEKLY QUOTATIONS

Taking effect Monday, Dec. 5, 1908.

Subject to Change Without Notice.

We are Headquarters for CUT FLOWERS.

ROSES.

Good stock scarce.

Beauties, long	per doz.,	\$3.00-4.00
" medium	"	2.00-3.00
" short	"	1.00-1.50
Brides	per 100,	3.00-5.00
Kaiserin	"	3.00-5.00
Maids	"	3.00-5.00
Meteors	"	3.00-5.00
Perles	"	2.00-4.00
Our selection	"	2.00-4.00

CARNATIONS.

Fancy	per 100,	\$3.00-4.00
Selected Stock	"	1.50-2.00
Good	"	1.00-1.50

GREENS.

Asparagus	per string,	.50
Ferns-Adiantum	per 100,	1.00
Common Fancy	per 1,000,	1.50
Smilax	per doz.,	1.25-1.50

Wild Smilax, in stock.
Large case \$8.00
Medium 5.50
Parlor Brand 3.75

Galax Leaves, green, bronze, \$1.50 per 1000.

MISCELLANEOUS.

Chrysanthemums ordinary	per doz.,	\$.75-1.50
" extra	"	1.50-3.00
Callas	"	1.50-2.00
Valley	per 100,	4.00
Ivy Leaves	"	.80
Alyssum	"	.15
Violets	"	1.00-1.50
Romans	"	4.00

HUNT'S FLOWERS GO EVERYWHERE.

Special Attention given to the Shipping Trade.

'MUMS-- Stock Plants.

For varieties, see last issue. Send for price list.

AMERICAN ROSE CO.,
Washington, D. C.

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E. G. Hill & Co.

Wholesale Florists,

RICHMOND, - INDIANA.

Mention The Review when you write.

Geraniums.

Special bedders, double and semi-double, as Ricard, Harrison, Grant, B. Poitevine, LaFrance, Nutt, L. Kelway, M. Bucher, Harcourt, Bonnat, Cts. Castries, and a host of other best single and double, bedding and market sorts. Extra strong rooted, any quantity, \$12.00 per 1,000, express; \$1.50 per 100, mail. **COLEUS**, in 25 superb kinds, 75c per 100, mail. Cash with order, please.

DANIEL K. HERR, Lancaster, Pa.

Mention Florists' Review when you write.

ROCHESTER, N. Y.

Business on Thanksgiving day was, after all, up to the average, everyone was amply prepared to meet an increased demand, but although prices for all kinds of flowers were very reasonable, buyers could not be induced to enlarge their orders. Chrysanthemums were more lavishly displayed in the store windows than ever before on that day and in the evening, nearly one-third of them were left over, only the yellows were cleaned up. Carnations fared little better and roses, though excellent in quality, were not sought after very eagerly. Violets were the only thing which sold freely. More than the usual number of fern dishes were disposed of and the cheaper flowering plants, such as begonias, primroses, etc., moved readily, otherwise plant sales were not so satisfactory as anticipated.

Since that day the weather has been really cold and quite unpleasant, yet the flower trade was not very bad during the week and most of the stock left over from Thanksgiving was used up in one way or another. Prices have not advanced yet. There is still a good supply of mums in sight and as long as these are in the market there is little hope for betterment. Roman hyacinths and paper whites have been quite plenty for a week past; \$4 was paid for the first, but they have gone down to \$3 now.

Chas. Vick, of the well-known seed firm of Jas. Vick's Sons, met with an accident while out rabbit hunting a week ago; his gun went off in some mysterious manner and filled his ankle with shot. The wounds are not considered serious, but are very painful. At last account he was able to sit at his desk in the office. K.

WASHINGTON.

F. W. Bolgiano, 1339 14th street, has entirely remodeled his store and conservatory in the rear, giving him one of the handsomest up-town stores. Owing to the increase in his seed business he has opened a down-town seed store, to be under his personal management, Mr. E. Mayberry having full charge of the up-town store, together with three able assistants.

Recent visitors: Ernest Ashley, representing Dreer & Co., and P. Berkowitz, of H. Bayersdorfer & Co.

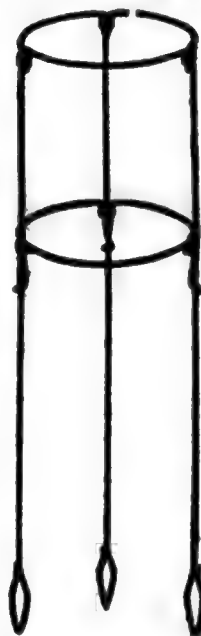
F. H. KRAMER.

GERANIUMS IN JADOO.

The geraniums shown at the Philadelphia exhibition by Mr. Jos. McGregor, gardener for Mrs. Thos. A. Scott, of Darby, Philadelphia, were magnificent specimens and were a center of attraction. They were grown in a mixture of Jadoo Fibre and soil. We wonder if one of our contemporaries would have printed so enthusiastic a description of these grand plants had the editor known they were grown in Jadoo.

HEADQUARTERS FOR
ASPARAGUS PLUMOSUS NANUS
W. H. ELLIOTT
BRIGHTON, MASS.
CUT STRINGS, 8 to 10 feet long, 50 cents each.
Shipped to any part of the country.

The **MODEL** Extension Carnation Support....
Also Wire Rose Stakes.



QUEENS, N. Y., Feb. 16, '97.
MR. THERON PARKER, Brooklyn, N. Y. Dear Sir:—I have tested your latest Model Carnation Support, and am free to say that I consider it the best wire carnation support that I have ever seen. It is quickly and easily applied, and I think will prove very durable, and you certainly deserve great credit for the invention.
Very truly yours,
C. W. WARD.

FLATBUSH, BROOKLYN, N. Y.,
Feb. 18, '97.

MR. THERON PARKER,
Dear Sir:—Your wire stake is certainly a gem. Without hesitating we endorse it as an up-to-date Carnation Support. Yours truly,
DAILLEDUZE BROS.

W. HOBOKEN, N. J., Feb. 18, '97.
MR. THERON PARKER, Brooklyn, N. Y. Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up Carnation Supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for for a long time. Wishing you every success in the sale of them, I am,
Yours truly,
E. ASMUS.

Write for Prices, Circular and Special Discounts for early orders.

The Model Plant Stake Co.

THERON PARKER, Mgr., Inventor and Patentee,
22 Morton Street, BROOKLYN, N. Y.
Mention The Review when you write.

For Immediate Delivery

Amoor Privet and Hardy Lemon, best hedge plants.

5,000 Gardenia Florida, 5,000 Oranges,
dwarf grafted sorts, 15,000 Camphor.
500 Ficus Elastica, 10,000 Latania, 1,000
Phoenix Reclinata, 6-inch.
100,000 Cannas, leading sorts at \$15 per 1000.
10,000 Biota Aurea Nana.
5,000 Rare Conifere. Roses, field-grown, on
own roots and budded. An immense
stock of Ornamental and Fruit Trees.

SEND FOR TRADE LIST.

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FOR SPRING....

PAYABLE JUNE 1.

Chinese Magnollas,

FREQUENTLY TRANSPLANTED.
TAKEN UP WITH BALLS.

Japanese Maples

OF MANY SORTS.

ALL CHEAPER THAN IMPORTED

THOSE ORDERING FROM EUROPE
SHOULD SEE THEM.

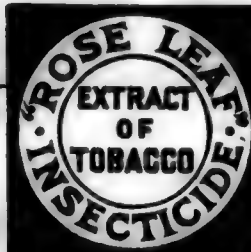
Parsons & Sons Co. Ltd.

FLUSHING, N. Y.

FREE FROM SCALE. Certificate furnished.

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**THE
BEST
FOR
ALL
Florists**



For Sale by
Seed Stores

For Free
Pamphlet,
write to

Louisville
Spirit Cured
Tobacco Co.
Louisville, Ky.

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**SURPLUS
STOCK OF ROSES.**

500 Perles, 1000 Brides, 1500 Bridesmaid,
fine stock, out of 2½-inch pots, \$3.00 per
100, \$25.00 per 1000.

VIOLETS, field grown clumps, \$3.00 per 100.

C. LENGENFELDER,
Cor. Western and Berteau Aves., CHICAGO, ILL.

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Mention Florists' Review when you write.

ST. PAUL.

The past week witnessed one of the worst storms ever seen in this city. Snow followed by a howling wind and a cold wave of intense severity blocked the street cars, delayed railroad traffic and demoralized business in general. Notwithstanding such adverse circumstances trade was very good, probably surpassing any previous Thanksgiving week on record. If the buyers could have gotten out there would not have been enough stock to go round.

Red roses and red carnations were in most demand, while Beauties, violets, mums and other roses and carnations sold in about the order given. Retail prices were advanced from 20 to 50 per cent, but there was no complaint on prices for good stock. Some choice Beauties sold at high as \$8 per dozen.

Shipping trade was much better than city trade, the demand from the country towns being nearly as great as at Christmas.

The snow caused some damage to greenhouses by breaking glass, etc. The most damage we have heard of was at Christ Hansen's, on Dale street, where the roof of his large house was quite badly wrecked.

The Society of Minnesota Florists has been revived and at a meeting held in Minneapolis, November 19, elected officers for the ensuing year and decided to hold monthly meetings in future. E. Nagel was chosen president; A. Vogt, vice-president; A. S. Swanson, treasurer; S. D. Dysinger, secretary; A. W. Lemke, F. Busch and O. Will, executive committee.

The matter of competition by state institutions supported by criminal labor was discussed and the president empowered to appoint a committee to deal with the question and if possible secure legislation to stop the evil.

A. S. Swanson has a very neat and attractive store on Nicollet ave., Minneapolis, in a very fine location. Though he only established it a short time since he appears to be doing a good trade with the best class of people.

Some of the Chicago prize winners at the mum show were recently on exhibition at the Glass Block department store in Minneapolis.

Lycopodium and holly have made their appearance. Lycopodium is reported as being very scarce and prices have advanced fully 25 per cent during the past week.

Frank Berry of Stillwater has been shipping some very good mums to this market.

Mr. Currie of Milwaukee was a recent caller while on his way west.

There is some talk of organizing a bowling club this winter. There is good material here and if a club is formed Buffalo, St. Louis and others are warned to prepare for a struggle at Detroit next August.

Otto Hieserkorn has opened a branch store on East Fourth street.

X. Y. Z.

The Harrisii Disease

can be prevented by immersing the bulbs
for 5 hours in a half solution of.....

..Kraft's Plant Tonic.. 99%

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills **Hard Shelled Scale, Mealy Bug**, and other insect pests without injury to the plant. A trial of a 25-cent bottle will convince you that a really remarkable insecticide has been discovered. Send for circular.

Kraft Plant Tonic Co., → **Rockford, Ill.**

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Delaware Holly of the Best Grade.....

from the Swamps,
with Bright Green Foliage and well Berried

Orders will now be received for shipments which will go forward freshly packed at the proper time. For prices and terms, address—

ALEX. PULLEN, ✿ ✿ **Milford, Delaware.**
MILFORD NURSERIES.

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JUST ARRIVED from

FRANCE -- Roman Hyacinths, Narcissus, Freesias, etc.

JAPAN -- Lilium Longiflorum, all sizes. Crop short.

HOLLAND -- Hyacinths, Tulips, Narcissus, Crocus, etc.

CHINA -- Chinese Secred Lilies.

On hand:—Extra selected **Lily of the Valley**, 2,000 in a case \$24.00

From cold storage:—A fine lot of **Araucarias**.

State quantity needed and prices will be cheerfully given by

F. W. O. SCHMITZ, - - **JERSEY CITY, N. J.**

Mention The Review when you write.

F. & F. NURSERIES, SPRINGFIELD NEW JERSEY

Wholesale Growers TREES and PLANTS in Full Assortment. ...TRADE CATALOGUE FREE.

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Rooted Cuttings.

	Per 100.	Per 1000.
Coleus, 12 varieties	\$.60	\$5.00
Ageratum, Princess Pauline.....	1.25	10.00
Petunias, double, 7 varieties.....	1.50	12.50
Alyssum, Little Gem	1.00	8.00
Salvia Splendens.....	.75	6.00
50 at 100 rate, 500 at 1,000 rate. Express paid.		

E. H. SMITH, MACOMB, ILL.

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INSURE AGAINST FIRE

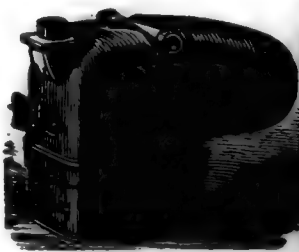
Florists' Mutual

Fire Insurance Ass'n.

ADDRESS **W. J. VESEY, Sec'y,**
FORT WAYNE, IND.

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Burpee's Seeds Grow



HITCHINGS & CO.

233 MERCER STREET, NEW YORK
GREENHOUSE BUILDING.

VENTILATING APPARATUS

HOT WATER BOILERS, PIPES AND FITTINGS.
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HOUSTON, TEX.—The chrysanthemum show was largely attended and was very liberally mentioned in the local press. In addition to displays by the local florists there were several exhibits by out-of-town florists, including some splendid blooms from N. Smith & Son, Adrian, Mich.

IF YOU HAVE anything to sell to the trade, offer it in an adv. in The Review.

CATALOGUE SENT FREE

MERCHANDISE FOR THE HOME, FARM & FIELD

GALVANIZED WIRE—100 POUND ROLLS—SHORT LENGTHS RUN FROM 65 FEET UP. PRICE PER ROLL 100 POUNDS \$1.15.

OUR ANY GAUGE PRICES FROM 8 TO 16 ARE 1/2 OF OTHERS.

CHICAGO HOUSE WRECKING CO. CHICAGO.

EXPRESS WRITE FOR CATALOGUE

GREENHOUSE MATERIAL

JOHN C. MONINGER CO. HAWTHORNE AV. CHICAGO

EVERY DESCRIPTION

...THIS IS IT...

Lehman's Wagon Heaters

Over 100,000 in Use.

Cost of Operating less than one cent per hour.

Thoroughly reliable, inexpensive and durable.

Send for Descriptive Circular and Price List.

LEHMAN BROS., MANUFACTURERS, 10 BOND STREET, NEW YORK.

JAMES W. ERRINGER, General Western Sales Agent, 297 Wabash Ave., CHICAGO, ILL.

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STANDARD POTS

Every user of Flower Pots should correspond with us before purchasing elsewhere. Our facilities are unequalled.

A. H. HEWS & CO., - N. Cambridge, Mass.

GOLD FISH and AQUARIUM SUPPLIES.

KEENAN'S SEED STORE. 6112 and 6114 Wentworth Avenue, CHICAGO

Send for Price List.

Mention The Review when you write.

ANGUS MORRISON, 375 Lincoln Ave. CHICAGO.

Greenhouse PIPE and FITTINGS OF EVERY DESCRIPTION.

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Steam and Hot Water Heating

ECONOMICALLY AND PERFECTLY INSTALLED BY

HENRY W. GIBBONS, 134-136-138 Liberty Street, NEW YORK.

EXPERT ADVICE AND PLANS FURNISHED. ESTIMATES FREE.



HITCHINGS & CO. 233 MERCER ST. NEW YORK.

GREENHOUSE BUILDERS

Hot Water Boilers, Pipes, Fittings, and Ventilating Apparatus

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...JADOO...

(COPY) Established 1850.

THE DINGEE & CONARD CO.

Incorporated 1870.

Growers and Importers

ROSES, HARDY PLANTS, BULBS AND SEEDS.

Long Distance Telephone No. 2.

Dictated by P. J. L.

WEST GROVE, PA., November 25, 1898.

The American Jadoo Co., Philadelphia, Pa.

GENTLEMEN:—Our experience in seed germinating is that Jadoo is far superior to soil. We raise Coleuses, Primulas, Cyclamens, Carnations, in fact a complete list of stove and greenhouse plants, also seed, and the results have been so far ahead of anything we have had from seed sown in soil that we are more than satisfied with Jadoo for this purpose. We are unable to tell what per cent. germinated, as we keep no record of the number of seeds planted; all we know is that the results were very satisfactory.

Yours truly,

(Signed) THE DINGEE & CONARD CO.

SEND FOR OUR NEW CATALOGUE.

THE AMERICAN JADOO CO.,

817 Fairmount Avenue,

PHILADELPHIA, PA.

For Sale by ALL PROMINENT Seedsmen and Dealers.

Mention The Review when you write.

CLEVELAND.

Business is steadily increasing with prices consequently advancing. Good mums are scarce. Carnations are not too plentiful and sell for \$1.50 and \$2. Roses are arriving in good condition and bring from \$3 to \$6. Violets are in lively demand and realize \$2 per 100.

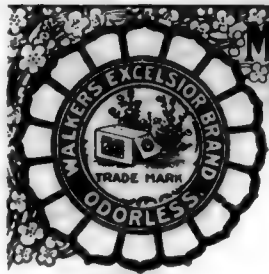
Thanksgiving day trade was very satisfactory, an improvement over former years. This holiday is getting to be quite a cut-flower day. The present is a very busy week in Cleveland, owing to several swell weddings.

Mr. J. M. Gasser has recently returned from a short trip East. Mrs. Gasser and Mrs. Anna Bartels have returned from Hobart, Ind., also spending several days in Chicago.

One of Cleveland's "Crape Chasers" met with a snag and his unsympathetic fellow craftsmen are laughing up their sleeves. O. A. C. O.

WICHITA, KANSAS.

H. L. Hunt, late of Jamestown, N. Y., has entered into partnership with W. H. Culp, the firm name remaining W. H. Culp & Co. They have added about 1,600 feet of glass to their greenhouses, most of the additional room being planted to carnations. They have a fine location in the best residence portion of the city, and are

MAKES FLOWERS
FLOURISHAnd
Your Profits
Increase.**Walker's Plant Food**

is a scientifically prepared fertilizer which every one of your customers should have and will want when you show it to them.

100% Profit for You.

Send for free literature and price lists.

FLOWER CITY PLANT FOOD CO., Rochester, N. Y.

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well equipped to take care of their constantly increasing business.

Mr. Culp had the misfortune to fall from a tree which he was topping, on the morning of Oct. 29, breaking his right arm near the wrist.

WORCESTER, MASS.

The display at the annual chrysanthemum show was one of the best ever seen here. The exhibitors included H. F. A. Lange, F. A. Blake, F. B. Madaus, Mrs. W. E. Sargent, C. H. Green, W. Darling, Mrs. W. A. Forbes and H. B. Watts. The prizes were distributed mainly among the above named exhibitors.

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MADISON, WIS.—The palm swindler paid a visit to this city and succeeded in securing a quantity of palms from Fred Rentschler. The usual plan of ordering the palms sent to the residence of a well-known citizen was followed, but to the people of the house he said he was agent for a Milwaukee florist and asked permission to leave the palms in the yard till he could sell them in the neighborhood. Most of the palms were recovered.

ORANGEVILLE, WIS.—The annual chrysanthemum show was very successful. Mrs. E. R. Copeland, of Monroe, Wis., read an excellent paper on the chrysanthemum, prepared by Mrs. Schoch, who had 50 fine plants on exhibition.

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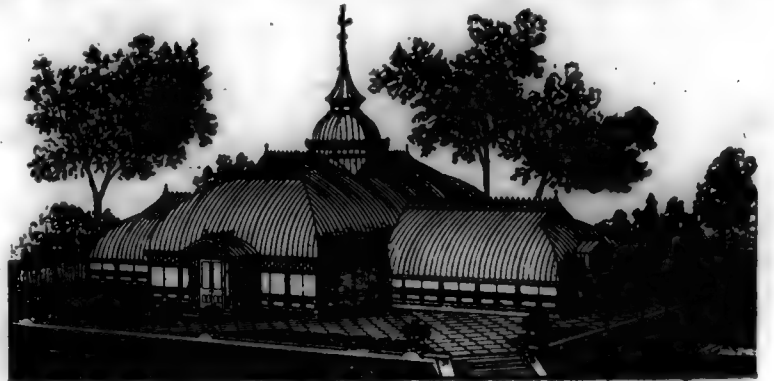
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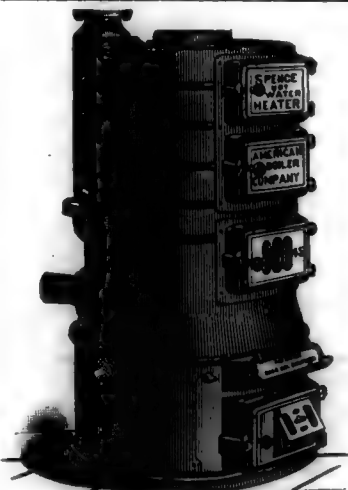
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Vol. III.

CHICAGO AND NEW YORK, DECEMBER 8, 1898.

No. 54.

CHRYSANTHEMUM PHILADELPHIA AND OTHER NOTES.

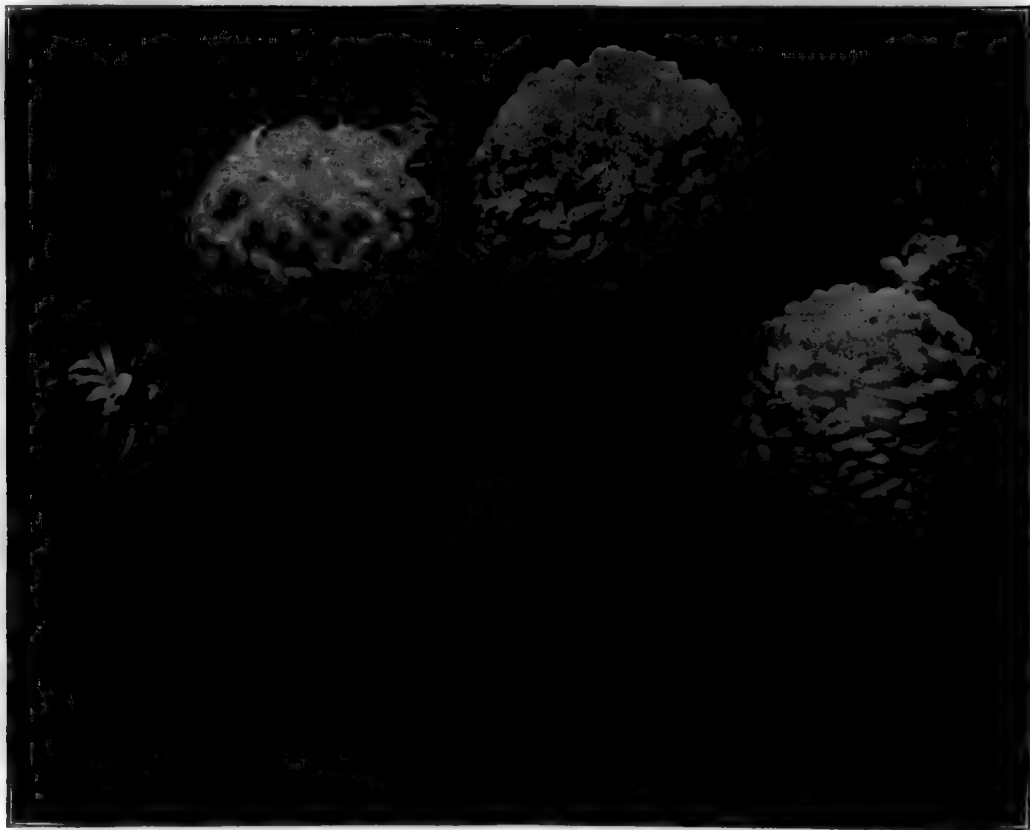
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I have in former communications had something to say on the subject of feeding chrysanthemums, and after another season's experience I wish to allude to it again. The experts tell us that at such a period of their growth we should commence to apply liquid manure to our plants, and give minute directions in regard to the various kinds of stimulants, their proper rotation, quantity and manner of using and how late to continue the dosing. These operations are not very pleasant, and are, I think, largely unnecessary. For the last two years or more we have given our chrysanthemums absolutely no feeding whatever, other than that contained in the four inches of fresh good soil, and the ordinary city water, not even mulching the surface of the bed with manure.

The plants make a strong healthy growth, with fine foliage, and flowers quite large enough for our purpose, with stronger stems than those that have acquired indigestion through too much stall-feeding. I measured some of the kinds today (Nov. 25th), after many of the largest flowers had been cut, with the following results, measurements being diameter directly across the flower, not as is usual beginning at the bottom of one side thence over the crown to the bottom of the other side: Mrs. Perrin, 5 inches; F. Walz, 5½ inches; Lincoln, Mutual Friend, Dailedouze, Wana-maker and Mrs. Jerome Jones, 6 inches; Maud Dean, 7 inches, and V. Morel, 8 inches. We get firm, bright-colored flowers by our method, and will con-



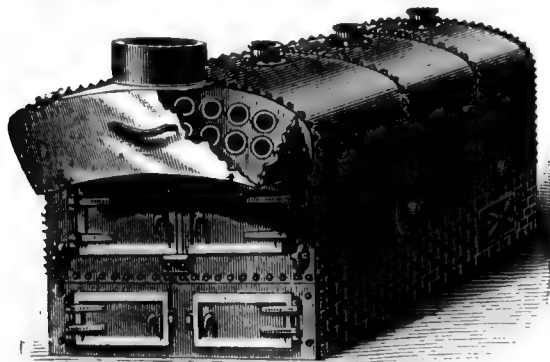
Chrysanthemum Philadelphia.

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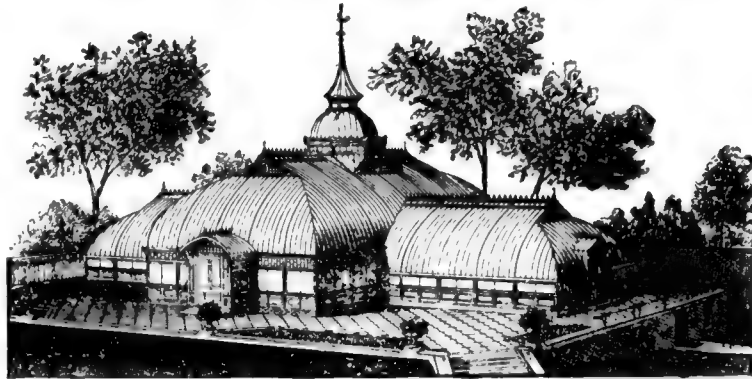
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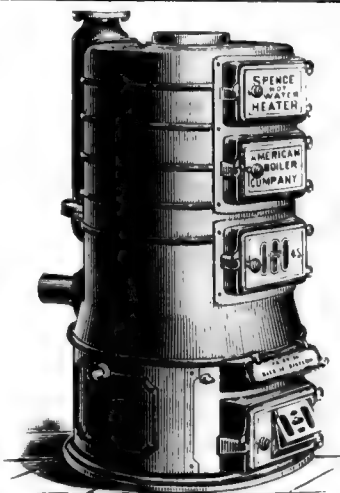
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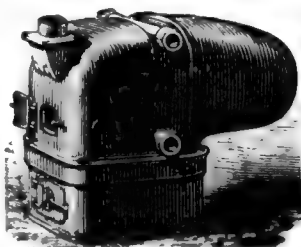
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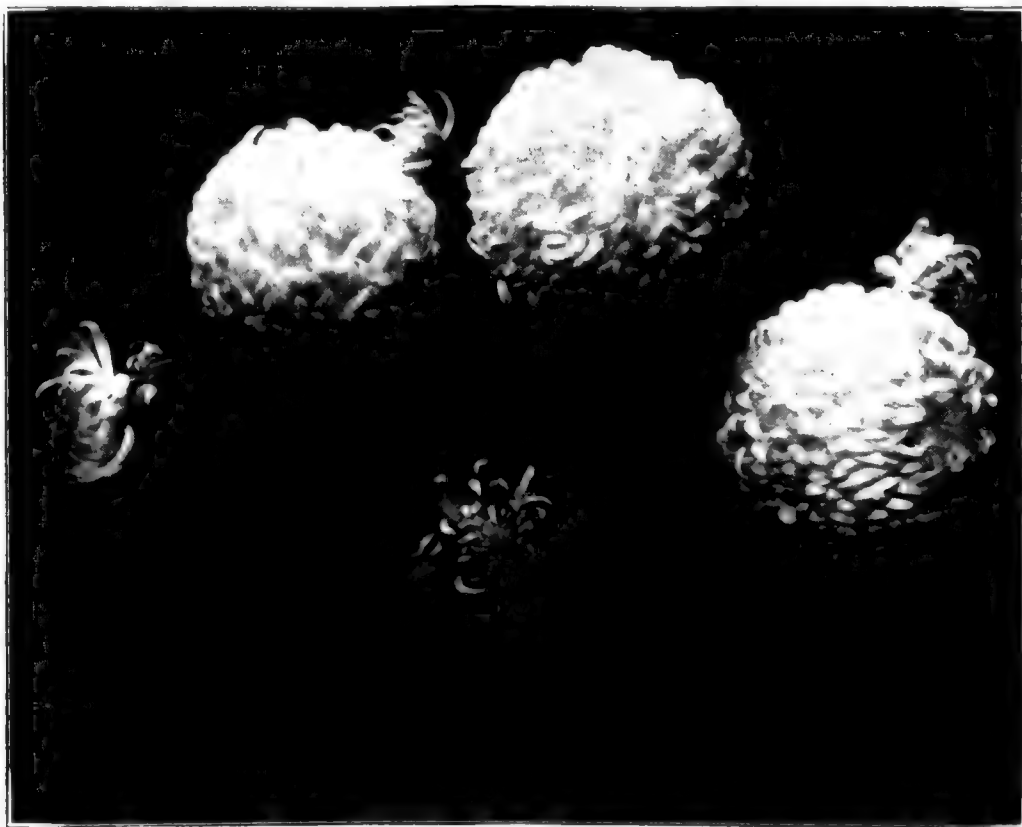
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Chrysanthemum Philadelphia.

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tinue it. Those who want larger flowers, and the additional labor and stench, are welcome to it.

W. T. BELL.

INTRODUCTIONS OF '98.

Perhaps a little review of such of the new varieties as have come under my notice may be interesting to other readers for purposes of comparison.

Yellows.

In yellows, Solar Queen is certainly a very fine thing, and if the first crown bud be taken, will produce a magnificent flower. Its foliage is dense, and on that account this variety cannot be grown closely in the bench, but the better price obtainable for its large flower will probably make up the difference. Solar Queen is here to stay.

Australian Gold gives the same shade of color as Bramhall, and since the latter variety is deteriorating, may possibly supersede it. It has rather a long neck and is not the best of shippers, but the build and petalage are very good.

Pennsylvania seems to flourish with its originator by the report of the Philadelphia show, but I regret to say it did little with me. Its form is perfection and color good, but flower is small and foliage miserable.

Yellow Fellow is nothing phenomenal, and as so many other good yellows are clamoring for a place, will not, in my opinion, be grown extensively.

Whites.

Gladys Vanderbilt is very like Mayflower, but not nearly so good in any way, and I fail entirely to see why this variety scored so high last year.

R. G. Carey made a nice flower and

will be grown again, the terminal bud, as its originator stated, making the best flower.

Frank Hardy has been splendid with me on late crowns. The terminal buds throw a large percentage of turned flowers, but why there is such a diversity of opinion regarding this variety I do not conceive. No white has taken so many prizes this year, yet side by side with its successes appear accounts from other growers stating that it is useless. Surely some of these statements need verification.

Mrs. Weeks is a very strong grower, and while the flower with me was hardly in proportion to the massive stem, another year may see it in good shape. I believe it will prove a valuable variety, though it takes up lots of room in a bench and is rather soft in the flower.

Miscellaneous.

Autumn Glory seems to be the only pink variety of merit. It is a handsome grower and instantly recalls to one's mind Inter Ocean, though surpassing that variety in some respects.

Black Hawk as a dark variety is certainly the best we have in that class. Its coloring is superb, though the flower is small, which, however, is common in dark varieties. It does not burn so easily as Seward or Childs with us.

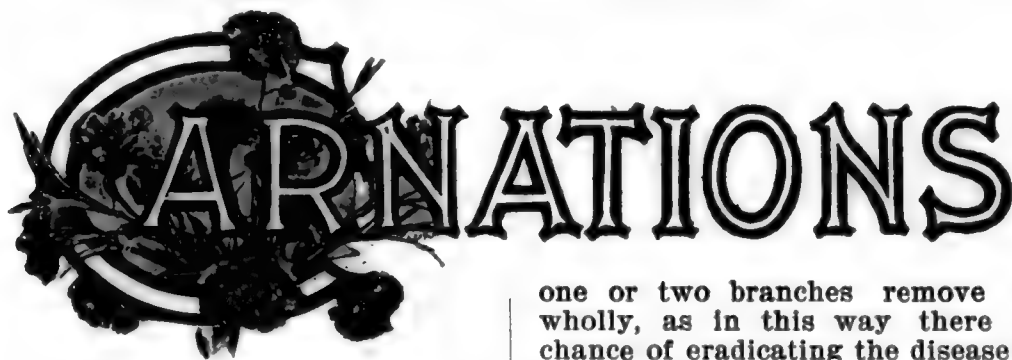
To sum up, I think the introducers may fairly lay claim to progress in the right direction. Good whites and yellows we have in abundance, but the good, reliable, commercial pink has not yet materialized (Autumn Glory is not a true pink), though pink varieties on the whole were much more satisfactory this year than last.

BRIAN BORU.

tion of fungicides. The first is to keep the foliage of the plants dry at all times, no syringing should be allowed, and guard against that dew formation over night, by letting the temperature run low without any fire heat. If the house should be too warm with a little fire, open the ventilators. This dew is more conducive to all fungous growth than is any syringing. As to the use of a fungicide, sulphur is the most destructive element, and I believe in using it pure and simple by dusting same over all the plants in a house where rust is present. When no dusting bellows are at hand, put the sulphur in a piece of cheesecloth and dust over the plants. Follow this up by shaking the plants in such a way that the sulphur will roll into the axil of the leaves, and thus the soil directly under the plants will also receive a share. The withholding of moisture from the foliage is to prevent the germination of the spores, and the presence of sulphur is to destroy any germinating spores where they may find moisture conducive to growth.

To make this plainer, I will give my idea of how rust grows; I may be wrong and in that case would be thankful if corrected. The first start is unquestionably from a rust spore or seed. That spore will germinate and enter the tissues of leaf or stem wherever a favorable place may be located. Now, I hardly believe, especially during the field growth when stem and leaves are of a harder texture, that when rust postules are found on the hard tip of a leaf or on a flower stem, a spore had germinated and entered there. It is more likely the rust spore will lodge in the axil of the leaves, where it finds a softer skin to penetrate, and where moisture is retained the longest. Moreover, the leaves are protected with that bluish bloom, shedding the water, and without moisture the spores can not germinate. The thread-like vegetative growth is upwards through the tissues of the stem and leaves, and when conditions are favorable to its growth will produce seed, called spores, which break through the epidermis of the leaves, and are scattered like seeds, which produce new plants wherever conditions are favorable. And here, again, this thread-like vegetative growth is like the ground runners of a plant, where any piece left will grow on and form a new plant, or when under unfavorable conditions will remain dormant. Thus we find rust break out on plants that have been brought in from the field apparently clean.

I hardly believe that dry sulphur will kill the dry spores so long as all remains dry, but as soon as the spores come in contact with moisture, they will soften and grow, but when sulphur is present it may destroy it. The sulphur will not hurt the plant, for it cannot enter the leaves; if such were the case it would undoubtedly not only kill the rust growth but the plants



RUST ON CARNATIONS.

Will you please state the best remedy to destroy bacteria on carnation plants.

JUNCTION CITY.

The leaves enclosed did not show any bacteria, but rust in the most virulent form. Plants infected at this rate are past the line to keep this disease in check. To keep rust in check apply remedies when the first rust postules appear, that is, before it has gained too much headway. We may be fortunate enough to eradicate it if noticed in time. Pick the affected leaves off clean at the base, but if it appears that the disease is confined to

one or two branches remove them wholly, as in this way there is a chance of eradicating the disease altogether. When it is spread to all parts of the plant we can only keep it in check by picking the affected leaves. The whole of the vegetable growth of the rust is seldom removed by this procedure as it may have spread up through the stem to other leaves, and rust will break out again. The same work of picking the leaves must be repeated, and the sooner it is done the closer we keep a watch on the affected plants, and the better is the chance for a full eradication. Always remember this disease can only be attacked with any show of success when the fight begins as soon as it is noticed.

In conjunction with this I advise the observance of other rules and applica-

also. Sulphur mixed with slacked lime to a thin paste so that it may be applied with a brush on a heating pipe should never be omitted. It emits a light fume, making it uncongenial for all fungous growths. If made too strong it will injure the flowers and if very strong will likewise injure the plants. We cannot follow this parasitic fungus into the tissues of stem and leaves with any destroying element, without destroying the host at the same time, so we do the next best thing, which is to remove the affected leaves and branches and be on guard by dusting sulphur into the axil of the leaves.

I have abandoned all syringing with mineral solution in water, as sulphate of copper, etc., for the application of the syringe will foster this disease more than the applied minerals will destroy; and if applied sufficiently strong to take effect will also injure the plants.

Rust is not now feared as in former years, for it is not so dangerous as other diseases we have to fight, but it is at all times a relief when none of it is in evidence. When held in check, and this is about all we can do, it will occasion some extra work, but will not keep the plants from growing and blooming. FRED DORNER.

REPLY TO INQUIRY.

My carnations seem to be troubled with a dry rot, the plants rotting at the surface of the soil. They were taken in the house Oct. 15 and about two weeks after began to rot. They are Flora Hill and Silver Spray. Kindly let me know the cause and a remedy for it. What temperature is best for them, also the proper time for watering? H. A. S.

This is what we call stemrot, the most dangerous disease that attacks the carnation. Some varieties appear more subject to this disease than others, and there is considerable complaint about Flora Hill and Silver Spray this season, which may, however, be due to local causes or wrong treatment. The most common error that very often leads to this disease is too deep planting. The plants should never be planted any deeper than they stood in the field, preferably not so deep. The stem of the plants should be out of the ground sufficiently to hold the branches away from the soil. I believe this disease is not alone found on the carnation, but on other plants, too, and spores of this fungus may have been embedded in the soil, carried over or imprisoned, dormant in the plants from the cutting bench.

As to a remedy, there is none. We can only employ preventive measures. A plant attacked is doomed and the sooner it is removed, with the ground around the stem, the less chance for a spread to the next plant. To check and prevent the spreading of this disease dust flour of sulphur over the

plants and shake them so it will lodge on the stem and branches and on the soil around the stem.

The temperature should be from 52 to 55 degrees at night and from 60 to 65 degrees on cloudy days during the



ROSE NOTES.

Red spider! One of the smallest of pests and yet one of the mightiest of enemies that the rose grower has to contend with. So small is it that its presence is often not detected until it has a firm lodging place on the under side of the leaf, which very soon indicates its presence by turning a greenish yellow color, the first sign of lost vitality. So destructive are the ravages of this pest that in a very few days considerable damage may be done if it is not promptly checked upon its first appearance. Right here is where the careful grower will show himself to advantage in manipulating the hose in such a manner as to quickly dislodge the deadly foe, making it possible for the plant to recover its lost vitality in a very short time, which in the hands of less experienced would seem next to impossible.

Red spider thrives best in a warm, dry atmosphere, and nearly always makes its first appearance in the back row, next to the wall, where the heat comes up from below during times of heavy firing. Make it a special point to reach these plants thoroughly from the under side every time you syringe. In wide benches it is the center row that sometimes marks the beginning of its work. Keep a lookout for it there and also in and around any corners; insist on these places being thoroughly syringed every bright day. The application of sulphur to the steam pipes, the same as recommended for mildew, will do much in keeping down this pest. Little's Antipest, a commercial article sold by seedsmen, has been used with good effect in extreme cases; use as recommended on label. Carbolic acid, a tablespoonful to a two-gallon can of water, is

day. With bright sunshine it will naturally run higher.

Water should be given when the ground is in a condition dry enough to pulverize, and then be sure that it reaches the bottom of the bench; and always remember to apply the water underneath and keep the plants above ground dry. Watering may be necessary once or twice a week and in bright weather as often as every other day. FRED DORNER.

sure death to red spider, without harming the plants; two or three applications once a week will soon destroy all traces of the pest.

So much for remedies. Let me, however, suggest that except in extreme cases you rely altogether on the hose and a good stream of clear water, insisting that the man who handles it does his work thoroughly. How few there are who understand the art of watering as it should be done. I call it an art, as I firmly believe that he who has mastered it has in him the instinct of the artist. Shall not he who aids in developing and producing the finest specimens of nature be equal to him who simply copies the beautiful on a piece of canvas? Truly ours is a profession, in which the very highest genius can find much that is worthy of its best efforts. As it is said genius is a capacity and willingness for doing hard work, so we find the possessor of this rare gift always on the alert in securing every advantage in aiding his plants in their growth and development, and if in the performance of his duties in syringing he finds it necessary to bend his back to properly reach the desired spot, it is only a reminder that rose growing has its ups and downs and drawbacks as well as everything else in this world worth striving for. S. A. B.

TOP DRESSING FOR ROSES.

What is the best top dressing for roses that have been in the bench one year?

What causes the small black spots on rose leaves? Is the mulching too strong? W. H. B.

Perhaps the best ail around top dressing for roses is well rotted cow manure, rubbed through a $\frac{3}{4}$ -inch screen and spread evenly on the bench to the depth of $\frac{1}{2}$ inch. This mulch should be stirred about once every week, to keep in good condition. If

the manure is a little strong, mix about one-third of dry soil with it; the soil will absorb the ammonia and gases contained therein, thus preventing the manure from acting too quickly on the roots, and the same prevents injury to the foliage, which is often the case when the house receives little ventilation during cold weather.

piece cut off of the end of the stem again to keep them fresh? G. M. K.

To keep rosebuds in fresh condition for several days, or even a week, it is necessary to cut the stems once every 24 hours, preferably in the morning. Cut the stems off about 1 inch, making a smooth cut, and place in fresh wa-

year are certainly entitled to some consideration at a time when stock is scarce and prices high. No doubt when all sales are figured up the net gain will be equal to the prices gained through the storing method, while it certainly will be more satisfactory to all concerned. S. A. B.

VASE OF CHRYSANTHEMUMS.

Almost all flowers when arranged in a vase—the most simple and natural arrangement—need the addition of some foliage or else, however artistically they may be disposed, there is a bare or ungraceful appearance. A few of our leading flowers are little enhanced by anything but their own stems and leaves. There is nothing sets off the carnation better than sprays of its own foliage, and when roses are as they should be, what can be handsomer than their own beautiful leaves? Orchids must have adiantum and now we have the useful and graceful *Asparagus Sprengeri* as well as *A. plumosus*, either of which can hardly be out of place in company with any cut flowers.

When chrysanthemums have good stems and fine, clean foliage they need little else to embellish them, but the beauty of a large vase is assuredly greatly enhanced by the addition of sprays of what we will call autumn foliage; particularly is this so if the vase is composed of varieties of white, yellow and bronze and if the so-called reds are in the collection it is all right. The foliage that was used in the vase illustrated above consists of oak, Japanese maple and *Berberis Thunbergii*; the yellow, orange and red tints of these harmonize finely with the chrysanthemums. In a vase where pinks such as *Esmeralda* or *Mrs. Murdock* predominate, the autumn tints of hardy trees and shrubs would be in bad taste.

It is worth mentioning here that *Berberis Thunbergii* is one of the most beautiful hardy shrubs we have, and when chill November has bronzed its tiny leaves the delicate sprays of growth are most useful to the florist whose line of business calls him to decorate. W. S.



Arrangement of Chrysanthemums and Autumn Foliage by William Scott at the Buffalo Exhibition.

Top dressing should all be done not later than November 15. From this time on up to January 1 roses require no more feeding of any kind. The principal work during this time will be to keep them clean and well tied up, stirring the mulch as suggested. Much damage is done every year by injudicious top dressing and feeding during November and December; better wait another month, until the plants begin to start into a more vigorous growth, when they will be in condition to take up more food. S. A. B.

CARE OF CUT ROSES.

How long after roses are cut and put in water do they need to have a

ter. The vessel containing the water should be well cleansed every time the water is changed each day.

In this connection, let me say a word in regard to the storing of cut flowers for holiday sales. In looking over the holiday reports every year, we find the market reporting stock very scarce for about two weeks before Christmas, until perhaps two days before, when everybody is holding his stock, expecting to force prices up to their very highest notch. At the last moment great quantities of stock are dumped on the market, resulting in weakening prices often much below the general average. Why not keep on sending your stock into the market in fresh condition? Customers who have been trading with you during the

THANKS.

The pleasant words of commendation and kind wishes for continued success expressed by our readers when sending remittance for another year are very greatly appreciated. We would like to reply to each of these by mail, but the number is so large we must ask all to accept this general acknowledgment. We can only say that we shall spare no effort to make *The Review* a better paper during the coming year than it has been during the year just closed.

DETROIT, MICH.—The Park Commissioners are talking of expending \$20,000 in the erection of conservatories in Belle Isle Park.

TABLE OF ORCHIDS.

The illustration hardly does justice to the little group of orchids pictured below. November 10 or thereabouts is not the very best time to find orchids in abundance. There were but four species in the collection, but it is needless to say that whenever a few dozen well flowered orchids are exhibited at a flower show they are the "observed of all observers." A far more effective arrangement could have been made with these orchids than merely setting them on a table, among them some pots of maidenhair fern, which was the simple arrangement of those now pictured. For instance, the *Cattleya labiata* could have been fastened on some stout limbs of an apple tree, and at their base, springing from a bed of green moss, the *Cypripediums*.

face, and on the arrangement and proportioning of the pipes used for distributing the heating medium. In considering the providing of a heating apparatus, the question which first arises is, of what nature shall it be, radiation from flues, hot-water or steam? And in this connection also arises the question of cost. The least costly to install but most costly to maintain, and at the same time the least effective in its desired results, is the flue system, so I will not devote much time to this, except to suggest that where such a system is desired the length of the flue should not exceed seventy-five feet of 12-inch salt glazed drain tiles. The joints should be well filled with good cement mortar, the flue given an upward grade from the furnace to the opposite end of not less than one inch in five feet, and as much more as cir-

be seen, that with this system heat may be promptly produced, increased or diminished at will of the person in charge, which in this latitude of sudden rise and fall of outdoor temperature, are points of immense importance.

The pipes used for circulating steam through the greenhouse, being of small diameters, one inch or one inch and a quarter, the requisite amount of radiating surface can be readily distributed so as to produce the desired warmth throughout all parts of the house. In the matter of regulating the heat in more steady winter weather, the heating medium being distributed through a large number of small pipes, and all or most of these pipes being fitted with valves, the proportion of effective radiation surface and the consequent temperature of the air within



Display of Orchids by William Scott at the Buffalo Exhibition.

Two or three years ago Mr. E. Lonsdale made a fine exhibit of orchids at the chrysanthemum show, Philadelphia. If I remember rightly they were placed on a circular table of mirrors with a lot of *Farleyense* among the orchids and a space of three feet in the center left clear of everything, which gave the appearance of a magnificent growth of orchids surrounding a miniature lake. The kinds shown in the photograph are *Cattleya labiata*, *C. Bowringiana*, *Cypripedium insigne* and *C. Lawrenceanum*. W. S.

GREENHOUSE HEATING.

By H. W. GIBBONS.

[Read before the Morris County (N. J.) Gardeners' Society, Nov. 9.]

The ultimate result of a greenhouse heating apparatus depends, not so much upon the nature of the heating medium used, whether it be the old-fashioned flue heat, hot-water or steam, as upon the proper proportion and distribution of the radiating sur-

cumstances will allow, and also a direct rise of about three feet from the furnace before starting off on the run in order to secure a quick draught.

The question of the superiority of either of the other two systems, requires much consideration before reaching a decision, as the advantage of the one or the other depends very largely upon the particular requirements of the grower, extent of the house to be heated, and other points which I will speak of later.

We will first consider steam, its advantages and disadvantages. This system has these very desirable features—its comparatively low cost of installation, and what is of vastly more importance, the possibility of a perfect and prompt control of its circulation and consequent heat radiation. With this system, unless steam is formed in the boiler, no heat is given off in the greenhouse, and, as in a well proportioned boiler, steam may be produced very quickly, and it will readily

the greenhouse are under the most absolute control.

Two objections to steam heat, are raised by advocates of hot-water system, first the fact that if from any cause the fire should die down below the intensity necessary for the production of steam, heat ceases to circulate in the house, which condition on a winter's night would be fatal to the stock within the houses. This objection is entitled to some consideration in connection with small greenhouses on private estates where the gardener is too often also coachman and general utility man, and as such his duties, more important to the immediate convenience of his employer, often prevent his giving the requisite attention to his greenhouse fires, also in connection with small amateur greenhouses where only a very small body of fire is carried, but in connection with commercial ranges of any extent, or the larger private ranges, where duties other than the legitimate ones of

his profession are not imposed upon the gardener or person entrusted with the responsibility of the proper care of the fires, this objection carries no weight. The other objection is the slight increase of fuel consumption; this is the case with small houses and particularly where boilers of inadequate capacity are used, but on larger ranges, and particularly where boilers arranged for the consumption of the cheaper grades of fuel are used, the point of fuel economy is on the side of steam heating.

The hot-water system of heating, which consists of a circulation of hot water through pipes within the greenhouse, has claim to two good points, first, should any accident happen to the fire in the boiler, the heat contained in the body of water within the pipes is often sufficient to maintain a safe temperature in the house even after the fire has become very low or out entirely, and also, that so long as there is any fire in the boiler, its radiant heat is carried into the greenhouses. Therefore the temperature of the air in the greenhouse is less liable to be materially affected by any temporary variation in the intensity of the fires, which is a great advantage on small places where the management of the fires is liable to neglect.

The objection to the hot-water system, is that the temperature of the radiating pipes is slow to respond to the desires of the operator, the heat contained by the large body of water preventing the prompt cooling of the pipes when desired, and the body of water also being so slow in responding to increased firing, thus preventing a sudden increase in the temperature of the pipes when necessary. The heating by hot-water, however, is effected by two methods, one in which the water is circulated through large cast iron pipes, usually 4 inches in diameter, for which the advantage claimed is steady heat under fluctuating conditions of fire, which benefit, however, is more than counterbalanced by the absence of the possibility of prompt and perfect control. The cost of installation of this system is the greatest. The other system is that in which the water is circulated through small pipes, which, containing a lesser quantity of water, modifies both the advantages and objections present in the other systems mentioned.

After carefully considering all points of advantage and otherwise, I place the several systems of heating in the following merit: For general commercial work, and in large private ranges where fires will receive reasonable attention, steam is preferable. Next in order of preference I would place hot-water in small pipes, occupying as it does a portion midway between hot-water in large pipes and the steam system, both in its advantages and disadvantages, and also in cost. The third position is occupied by hot-water in large pipes, this being, however, preferable on places where the atten-

tion to fires is liable to be variable, and also for use in small greenhouses. On large ranges, even where the regular heating system consists of a hot-water plant, the installation of a steam boiler connected, to, say, one coil of 1-inch pipe in each of the houses, will be found of immense advantage; especially is this the case with rose houses. I doubt if there is a rose grower present, who heats with hot-water, who has not felt the want of such an addition to his heating plant, especially during the fall and spring months, when the weather conditions are such as to favor mildew, the conditions of steam heat and the possibility of evaporating sulphur on the pipes that are heated, giving him one of the most powerful weapons for the warding off and destruction of the semi-annual pest—mildew.

We will now consider the distribution and arrangement of piping best suited for several systems. For steam I prefer to carry the steam direct from the boiler to the highest point, and then descend on a continual down-grade back to the boiler, making an entire circuit of the house with at least one-inch pipe, but preferably with two, and arrange such coils as may be necessary in the most convenient locations for securing the desired temperature in all parts of the house. The object of making at least one circuit of the house, is that in mild weather a little heat can be provided, which will affect all parts of the house as evenly as possible, which could not be done with a flow and return coil under one bench, as when the radiation from two pipes would be ample to produce the desired temperature, this heat would necessarily be given off on one side of the house to the neglect of the other. This single circuit pipe is also very convenient for the sulphuring operation to which I just referred.

In steam heating the coils are preferably of one and one and a quarter inch pipes, and all coils should be valved so as to admit of the most absolute control. In installing a steam heating plant, the most vital point, as regards its perfect working, is to arrange for perfect and positive drainage of all pipes. If this point is attended to a noiseless and perfect circulating system is easily provided. In a hot-water plant, it is very necessary to provide mains of ample capacity to carry off and return the water to the boiler as rapidly as the boiler is able to heat it to a temperature of about 200 degrees, and to make all runs from the mains as direct as possible. Mains should have a grade upwards from the boiler of about 1 inch in 5 feet, if possible, and running pipes of 1 inch in 10 feet or not less than 1 inch in 20 feet.

Expansion tanks should not be placed at the far or upper end of the houses, as they not only occupy much valuable bench space, but add to the risk of damage to plants in case of a sudden splash over of the heated water and they also allow of an escape of

steam, which if retained within the pipes would add to the temperature of the radiation from them. A short stand pipe should be placed at the upper ends of all runs, and fitted with a valve or cock for the relief of any accumulation of air; the expansion tank may be placed at any convenient point in the workroom, with a connection to the return pipe of the boiler only, and should be fitted with a gauge by which the height of the water is readily observed by the attendant. Where 2-inch diameter pipes are used, the tank should be placed at as great a height as convenient, so as to increase the pressure of the water in the pipes and thus allow of the water being raised to a temperature approaching very nearly the boiling point, a great advantage in extra severe weather.

Whether it be in a steam or hot-water heating system, I am somewhat in favor of a little overhead heating surface. This is not necessarily for regular winter firing, but for use on those damp, foggy, muggy days, when bottom heat is not required, but when a little overhead warmth to temper and dry out the atmosphere is much to be desired.

We now come to the question of boilers. The purchase of a boiler for heating the new house, causes the average greenhouse man more worry and anxiety than any other feature in the necessary equipment of his houses, but if he will give due consideration to these few vital points, the question becomes an easy one to solve. The question of first cost must become a secondary one, that of heating results and fuel economy being the primary ones.

A direct and upward travel of the fire and products of combustion means a quick travel and consequently loss of heat into the chimney, so I would say positively avoid such boilers as have only a direct or upward travel for fire. Horizontal travel of the fire heat is slower, and therefore more effective, and in boilers having such direction of fire a longer flue surface is possible, and therefore the heating surface and consequent fuel economy is increased.

Downward travel of fire heat is, however, still slower than the horizontal, and consequently boilers in which such travel is provided in reasonable extent are much to be desired. Also bear in mind that the lower surface of horizontal flues is little, and under the ordinary conditions of cleanliness of no value, the sides and top surfaces of such flues being the affected parts, therefore, a deep vertical flue is of more economic value than a wide one. A deep firebox is desirable, as are also ample firedoors and doors which will give a free and unobstructed access to all parts of the flues for the purpose of cleaning. For this purpose holes just large enough to admit a brush are of no practical value, the means of access must be such that render all parts of the flue visible.

If you are purchasing a boiler from

Specimen Plant of *Croton Reidii*.

Grown in a mixture of Jadoo Fibre and loam by Jno. A. Shellem, and awarded first prize at the exhibition of the Penna. Hort. Society, Philadelphia, Nov. 8 to 12.

a maker or dealer who is thoroughly experienced in and conversant with greenhouse requirements, you will be safe in accepting his advice as to the size of boiler necessary to do the required work, but in other cases it is safer to get the boiler at least one and sometimes two sizes larger than the published capacity of the boiler would necessitate. My reason for this warning is, that most boilers on the market are intended for dwelling heating or similar work, in which a high chimney and consequently a very quick draught is provided, and in connection with which a sharp bright fire is carried, with continual replenishment of fuel, whereas in greenhouse heating, the boiler has to do its hardest work at night, with a deep slow fire and little attention.

By request, Mr. Gibbons then gave a very interesting description of the working and effects of his apparatus for tempering the water used for syringing plants in greenhouses.

BOSTON.

Review of the Market.

With last Saturday and Sunday's storm, the winter weather so much desired by our retail dealers has made its advent, but instead of improving had rather a demoralizing effect on the market, and during the early part of the week there was virtually nothing doing. The past two days have been an improvement, and when the surplus stock has been disposed of think that a nice steady market will result.

Roses seem to have felt the effect of the storm the most, the demand not

being up to the normal for this time of the season. Brides and Maids run from \$4 to \$6 per hundred, with sales at much lower figures. Kaiserins are about out of the market, what are coming in are classed with Brides; Meteors about the same, \$4 to \$6. Beauties of strictly high grade quality are not plenty, with good demand for most all grades; prices range from 75 cents to \$4 per dozen.

Chrysanthemums are now a side issue, the season for them being about done. White varieties bring from 50 cents to \$1.50 per dozen, while colored ones sell from \$1 to \$2 per dozen. Violets have been good property most of the week, with the asking price ranging from 75 cents to \$1 per 100. Carnations of an average quality have sold fairly well all the week, with the quantity of white in excess of colored; prices about \$1.50 for white and \$2 per hundred for colored. Good Daybreaks are scarce this season, and will easily bring \$3 to \$4; strictly high grades run from \$4 to \$6. Valley, \$4. Stevia plentiful at 15 to 25 cents a bunch. Calla lilies from \$1 to \$1.50 per dozen. White Romans and paper whites are now a feature at 50 cents for the former and 35 cents for the latter per dozen.

News Items.

The prevailing topic this week has been the storm, and some of the craft have been heavy losers. John Twombly, of Winchester, was a victim of the heavy wind, losing two houses, his loss amounting to fifteen hundred dollars. Thomas Dee, of Mt. Auburn, had part of a palm house cave in from excessive weight of snow, while M. R. Cushing, of Cohasset, was damaged by the

blowing down of a chimney, breaking in about twenty-five feet of a carnation house and making a hole through the roof of a boiler house; almost ruined a nice bench of Bratt carnations.

George E. Delaney, for many years in the employ of J. Newman & Sons and later with Houghton & Clark, was a passenger on the ill-fated steamer Portland, and was drowned during the gale last Saturday and Sunday. His brother Arthur is now in the employ of Norton Bros., and has the sympathy of the entire florists' craft. George was 27 years of age, and extremely popular among the growers.

Winifred Rolker, of New York, has been in town this week.

This paper is now on file at the Boston Co-Operative Market and subscriptions or advertisements can be left there. P.

ST. LOUIS.

The Market.

There is little to say about business here, only that it has been dull the past week. But this is always the case right after Thanksgiving and just a few weeks before the holidays. Flowers of all kinds are plentiful, at least those grown in this vicinity. Everybody seems to be in full crop and some of our growers claim that about the time we will need them the crop will be off and that roses and carnations will be scarce for Christmas. Should this bright weather continue I don't see any reason why we should not have a good supply for the holidays. A few days of cold weather last week kept the fakirs off the streets, but it did not last long, and they were out again selling good stock at very low prices. Roses have been a drug on the market the past week and the retailer had only to name his price. The extra prime stock sold as high as \$5, but the bulk went at your own price. Short Beauties, good Perles, Meteors, Bridesmaids and Woottons went as low as \$8 per thousand.

Carnations are also coming in in large quantities to this market; the best of them bring \$2 and \$2.50; fair stock, \$1.50, but with very few sold at \$1 per 100. Romans and paper whites are now coming in and sell at \$1.50 and \$3 per 100; callas \$8 and choice valley \$4. Violets are very fine, especially those Californias that come from the Udes at Kirkwood. The early part of last week they brought only 50 cents per 100, but the latter part went up to \$1; double, 75 cents, and small single, 25 cents.

Holly and ground pine wreathing have made their appearance and some of the store fronts have put on holiday attire already. Some good orders have been placed for these goods.

Executive Committee Meeting.

The executive committee held a meeting Saturday night to make a full

report Thursday afternoon at the club meeting. It looks now as though the loss will be greater than expected, and according to rule 15 in our program we will have to scale all the prizes about 4 per cent. The collection of prizes has been slow, and just as soon as all the prizes come in the treasurer will pay them. By the end of this week perhaps one-half of the premiums will be paid. Other cities who encountered bad weather can readily see why we can't pay our prizes in full.

Obituary.

Christopher Young, of C. Young & Sons Co., died on Sunday morning, December 4, after a lingering illness. This will be sad news to many a gardener and florist throughout the United States and England. His death removes one of the landmarks of the profession of this city and he will be greatly missed. Mr. Young was 79 years old and leaves a wife, five sons and two daughters. The sons are John, Harry, James, Charles and William, all of whom are married and have carried on the business for years. The daughters are Mrs. William Ellison, of Ellison & Tesson, and Mrs. Henry Helwig, wife of Dr. Helwig. The funeral was held today (Monday) from his late residence, 5512 Watterman avenue, and nearly all the florists of the city attended in a body. The floral designs were many and elaborate. J. J. B.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.
520-535 Caxton Building, Chicago,
334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/2 page, \$13.50 full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.
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OUR PRIZE COMPETITION.

Following is another batch of entries in our prize competition in labor-saving devices or methods useful to florists:

No. 25. To catch "White Grubs," sometimes called "Rich Worms," the larvae of the "June Bug," so much feared by rose-growers.

Noticing that where they come in contact with the side of a bench or frame they followed it for some distance, I conceived the idea that if a small tin can was sunk into the ground slightly below the surface and touching the board on one side, the grub would probably fall in and be

unable to get out. I procured some old vegetable cans and tried the experiment. In a few days I examined the cans and found in thirty-six an average of a little over sixteen to a can.

Quite recently I had the same experience with some violet frames and caught over three hundred in about three nights. They seem to do their traveling at night. One can contained



No. 25. Trap for Grubs.

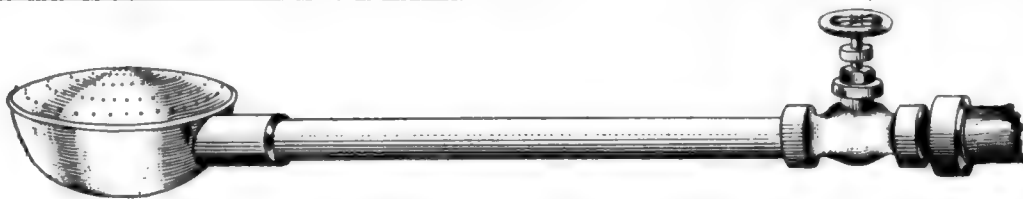
forty-six the third day after being sunk in the ground. Let any one try this method and the advice of "The Doctors" to "hand-pick" will be thrown to the winds. M.

[The accompanying engraving is not exactly in accordance with the sketch sent by M. The top of the can should be somewhat below the surface, and the grubs promenading on the surface of the soil are "improvements" made by the draughtsman without orders. —Ed.]

No. 26. I have noticed in several journals the advice to keep fancy calladium bulbs in a warm, "dry" place during winter. I have seen hundreds of bulbs ruined by a species of dry rot when kept thus, but have never seen a single bulb lost when they were kept in a moist condition in a suitable temperature.

Put them in a box and cover with sand or soil when shaken out of the soil in which they were grown. Stand in a warm place, keep moist at all times and the bulbs will turn out when wanted as plump as when put away. There will be no loss if the bulbs are in proper condition when stored. Try a few this way if you are in doubt. M.

No. 7. This device is one I have found invaluable for syringing all plants and particularly the under side of the foliage of roses, etc.



No. 27. Sprayer and Distributor.

It consists of a brass rose (the top being screwed on to the lower part and therefore removable), a piece of one-fourth inch brass pipe threaded at both ends, a one-fourth inch Globe valve and a brass reducer to reduce from the size of the hose coupling to the valve.

The device was intended primarily as a sprayer to reach the under side of the foliage effectively, but have found

it exceedingly useful in other ways, on account of the perfect control given the user through the Globe valve. By this use of the valve the spray can be made with the full force of the water or graduated down to a gentle rain.

With it I can distribute liquid manure without wasting a drop; can water dry plants among a lot of others that are already wet enough; can water plants without wetting the foliage (such as gloxinias, tuberous rooted begonias, etc.); can water hanging baskets suspended from the ridge, without having to remove the baskets; can water seed pans and small seedlings; can water the propagating bench without washing out the cuttings.

My first sprayer was made of tin and answered very well, only the rose was made solid and was difficult to clean. So I had one made of brass and the rose made in two parts, so I could unscrew the perforated rose from the cup and readily clean it. N.

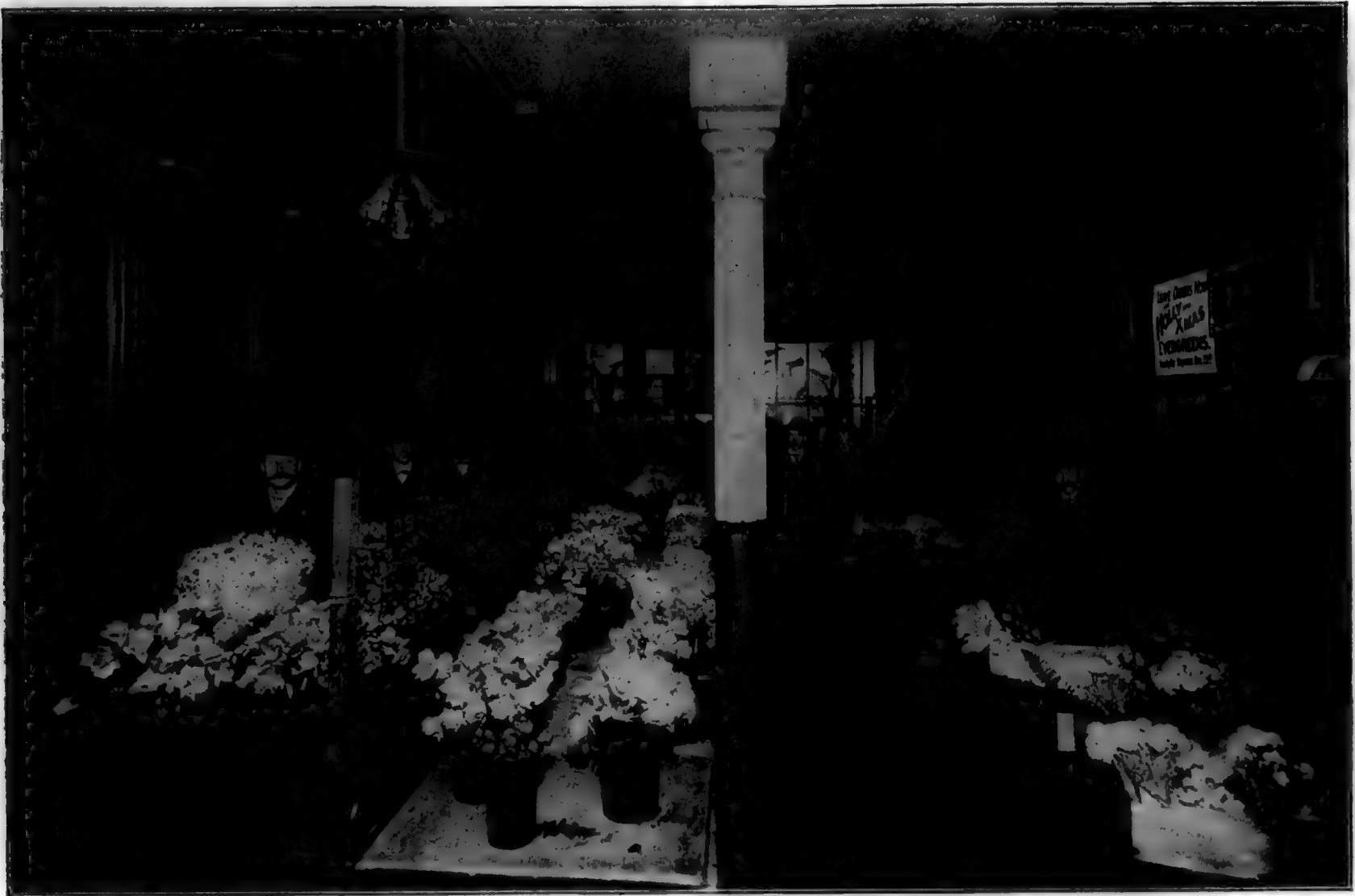
CHICAGO.

The Market.

The volume of business is not as large as it might be, but if the demand was larger it would be of no advantage as the supply would then be insufficient. All good shipping stock seems to find sale, especially in roses. Beauties are decidedly short in supply. There is also a shortage of violets. In carnations the supply is generally sufficient for all demands and on some grades prices are rather easier.

Trade is very irregular, as it has been all this fall, keeping the dealers on the jump one day and giving them almost nothing to do on the next. As one result of this irregularity and uncertainty the returns to growers have been very erratic—one day good and next day poor—which has been very aggravating to both grower and dealer. The grower who ships to market every day gets the best average, for if he misses it one day he hits it the next, and in case of a bad day good stock can generally be made to

realize fairly well the next in case there is a turn for the better. It would appear that the grower who now ships three times a week had better reach the market four times during that period, one shipping four times had better shift to five, and where daily shipments are possible it would be wise to make them daily, for the increased average in returns during present conditions will make



City Hall Flower Market, 15 Province Street, 9 Chapman Place, Welch Bros., Proprietors, Boston, Mass.
The largest market for sale of flowers in New England.

the extra express charges inconsequential in comparison.

Up to and including Thanksgiving there seemed an unusually brisk demand for white flowers, but this has now shifted and color seems to have the call.

The outlook for Christmas supply seems very satisfactory. While there may be some shortage in roses, present indications are that the supply of carnations will be larger than for some years.

Roman hyacinths are coming in freely now.

Marriage of O. P. Bassett.

Mr. O. P. Bassett, the well known senior member of the firm of Bassett & Washburn, was married last Tuesday, Dec. 6, the bride being Mrs. M. Katherine Parsons. The wedding was private and took place at the home of the bride in Berwyn, the Rev. W. E. McLennan officiating. Mr. and Mrs. Bassett go to the Lexington Hotel for the winter.

Club Meeting.

At the last club meeting Mr. E. Buettner, in accordance with the request of the club, submitted a suggested list of premiums for a spring exhibition. He covered the matter very fully and

though some believed that it was now too late to start on a show for the coming spring, it was thought well to have the initial steps taken early for the following year, and Mr. E. Wienhoeber was requested to submit the schedule to the Horticultural Society for its consideration.

Various Items.

The price of bouquet green has taken another lift, and the threatened scarcity seems to be here.

Benthey & Co., with F. F. Benthey in charge, opened their wholesale commission store at 41 Wabash avenue last Monday. C. S. Stewart, late with Vaughan, McKellar & Winterson, is with the new concern.

S. B. Winter has closed an arrangement with Larry Kelly, now with Kennicott Bros Co., and will take his place with Mr. Winter after the first of the year.

A. C. Kohlbrand, who had charge of the city salesplace of Klehm's Nursery until closed recently, is now with Kennicott Bros. Co.

Recent visitors: E. Haentze, Fond du Lac, Wis.; L. H. Read, Grand Rapids, Wis.; W. L. Hucke, St. Louis.

Bowling.

Following are the scores and aver-

ages made at the alleys last Friday evening. L. E. Coleman, Belvidere, Ill., was a visitor:

	1st.	2nd.	Av.
G. Stollery	177	151	164
J. S. Wilson	135	151	143
E. F. Winterson	126	155	140
F. Stollery	145	131	138
W. Kreithling	149	118	133
Jno. Degnan	116	128	122
J. Hartshorne	93	149	121
C. W. McKellar	104	128	116
L. E. Coleman	81	119	100
P. J. Hauswirth	87	105	96

MILWAUKEE.

Thanksgiving Trade.

Thanksgiving has been unusually profitable for the florist this year. All stock brought good prices and demand was brisk, with enough stock to go around excepting of Beauties and good shipping carnations. Growers and retailers are now looking forward to a good Christmas trade and indications point that way, as there will not be an overstock in decorative greens and prices bid fair to hold up well on stock in all lines. Mums are about gone. Cut blooms averaged up in price equal to last year, but there seemed to have been a falling off in demand for good plants, while small, cheap plants sold well.

The usual after-effects of a holiday

Dreer's Special Offer of Adiantums



	Size	Per	Per
	Pots.	100.	1000
Adiantum Cuneatum.....	2-in.	\$3.00	\$25.00
" " Grandiceps.....	2-in.	6.00	50.00
" " ".....	2-in.	6.00	50.00
" " Variegatum.....	2-in.	8.00	70.00
" " ".....	2-in.	8.00	50.00
" Bellum.....	2-in.	4.00	
" " ".....	2-in.	4.00	35.00
" Decorum.....	2-in.	4.00	50.00
" " ".....	2-in.	4.00	50.00
" Farleyense.....	4-in.	40.00	
" Fergussoni (scarce).....	2-in.	6.00	
" " ".....	3-in.	10.00	
" Formosum.....	8-in.	12.00	
" Mundulum.....	8-in.	8.00	
" Lathomi (scarce).....	2-in.	10.00	
" " ".....	3-in.	15.00	
" Pubescens.....	2-in.	3.00	25.00
" " ".....	3-in.	6.00	50.00
" Rhodophyllum.....	2-in.	8.00	60.00
" " ".....	3-in.	12.00	100.00
" " ".....	4-in.	16.00	
" Tenerum.....	2-in.	6.00	50.00
" " ".....	3-in.	8.00	70.00
" " ".....	4-in.	12.00	
" Wiegandi.....	2-in.	5.00	40.00
" " ".....	3-in.	8.00	70.00

5 of any one variety at 100 rates; or 250 at 1000 rates.

HENRY A. DREER, 714 Chestnut St., Philadelphia

Mention The Review when you write.

were quite noticeable for a few days after Thanksgiving, but business locally, as well as shipping, is again quite brisk. While roses and carnations are in good demand, stevia and violets are holding their own. Romans and paper whites have made their appearance. The early snows up north caused bouquet green to shorten up considerably and some of the pickers who held their stock for a "snowy" day received good prices.

Notes.

It was expected that the city greenhouses would be completed this fall, but owing to the delay in getting some of the building material they will not be ready for occupancy until nearly spring.

The palm swindler after departing here plied his trade successfully on a Madison florist and at about the same time one was reported at Indianapolis. Are there two of these unmolested profitable adventurers?

Ellis & Pollworth received a carload of green and Delaware holly during the week.

Volk & Stewart have booked a large decoration for this week.

E. Haentze and wife, of Fond du Lac, are visiting relatives here.

Martin Reukauf was a recent caller.

JADOO.

Joseph McGregor, Darby, Pa., reports excellent success with cinerarias, chrysanthemums, fancy caladiums and primulas in one-third Jadoo to two-thirds ordinary potting soil. Last spring his cinerarias were very fine indeed, and he attributes this to the use of Jadoo.

OMAHA, NEB.—Prof. F. W. Taylor has completed his work in connection with the Exposition and will hereafter be at the State University at Lincoln, Neb.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

SITUATION WANTED—By expert carnation grower. Address C., care Florists' Review.

SITUATION WANTED—By good all 'round grower; single, 30 years old; best of references. Address K. L., care Florists' Review.

WANTED—A second-hand copy of Henderson's Handbook of Plants: must be in good condition and cheap. Geo. H. Moores, Athens, O.

PARTNER WANTED—A man with some knowledge of greenhouse management, with \$2,000 or \$3,000 capital. A good opening for the right party. Address R., care Florists' Review.

WANTED—A lady thoroughly posted in retail cut-flower business to buy part interest in well established place. For particulars, address Box 28, Baker City, Oregon.

SITUATION WANTED—As working foreman or grower, by a thoroughly experienced florist, in a place where first class stock is called for; age 32, single, strictly sober and good references; at liberty after Christmas. Address Grower, care of Florists' Review.

WANTED—A good all-round florist, must be good on design work, sober and honest. Will pay \$50 per month for right man. Address H., Florists' Review.

SITUATION WANTED—By young man of 31, situation in first class cut-flower store in large city; second to none as cut-flower worker and decorator. Address Royal, care of Florists' Review.

WANTED—A man to take charge of a section of rose houses; call at 51 Wabash Ave., Chicago.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

FOR RENT OR SALE—First class retail stand. 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

FOR SALE. A well established and paying

FLORIST BUSINESS, with ten to thirty acres. 17,000 square feet of glass. Good residence and houses for help; everything in first class condition. Abundance of water. Situated near one of the largest cities in California. Ill health and a desire to retire from business cause for selling.

For full particulars and price, address
Lock Box 720, - LOS ANGELES, CAL.

Mention The Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.



51 Wabash Ave. CHICAGO.

W. S. HEFFRON, Mgr.

CHICAGO, Dec. 8, 1898.

ROSES

Beauties, long.....	per doz.	\$4.00—\$5.00
" medium.....	"	2.00—3.00
" short.....	"	1.00—1.50
Brides, Maids.....	per 100,	4.00—5.00
Perles.....	"	3.00—4.00
Meteor and Kaiserin.....	"	4.00—5.00
Roses, 2nds average about.....	"	2.00

CARNATIONS

All the leading standard sorts—		
highest grade, per 100.....		1.50—2.00
Triumph, Painted Lady, Albertini,		
Jubilee, Armazindy, Keller and		
others.....	per 100,	2.00—3.00
Prices quoted are for good prime stock. Extra Select, and inferior quality charged for according to value.		

MISCELLANEOUS

Alyssum.....	per 100,	\$.40
Marguerites.....	"	.50
Valley, good home grown.....	"	5.00
Violets, double.....	"	1.25—1.50
" single.....	"	1.00—1.50
Romans, P. W. Narcissus.....	"	3.00—4.00

DECORATIVE

Asparagus.....	per string,	\$.50
Ferns, common.....	per 100,	.20
" " ".....	per 1000, \$1.50	
" Maiden Hair.....	"	1.00
Galax, green, new crop.....	"	.15
" " ".....	per 1000,	1.00
" " ".....	per case 10,000...	7.50
Leucothoe Sprays, per 100, 60c; per 1000, 5.00		
Smilax, good.....	per doz.	\$1.20 to 1.50
" Wild, parlor brand, case.....	"	3.75
" Medium, case.....	"	5.50
" Large, ".....	"	8.00

Carnations

OUR SPECIALTY

Quotations Subject to Change Without Notice.

Write for prices on large quantities for special occasions.

Regardless of prices quoted we always bill out at lowest market rates.

P. & D.—AT COST.

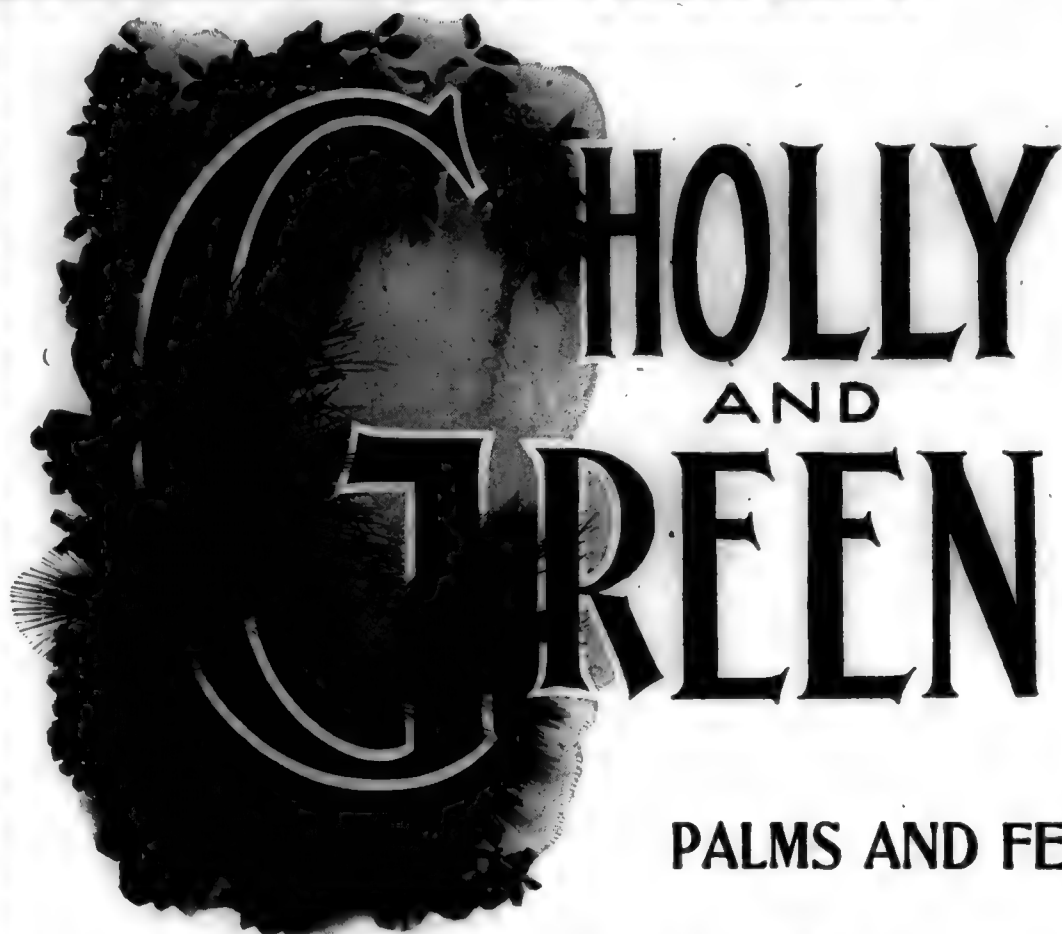
Use the code. It will save you money. We know what it means. Get your orders in as early in the day as possible.

Must be Sold Quick!

On account of going to Europe, an old established Florist business. 10,000 square feet of glass. Stock in fine condition. Carnations, Violets, Roses, Smilax and Freesias. Heated by steam; city water; 12 miles from New York, in New Jersey; good retail trade; near three cemeteries.

No reasonable offer rejected.

Address K. P. W.,
care of Florists' Review.



Although Select Delaware Holly is Scarce.....

We have procured a FANCY GRADE, well berried and bright green leaves. We quote you

One case, - -	\$ 4.50
Five cases, - -	21.00
Ten cases, - -	40.00

Bouquet Green....

Per 100-lb. crate, \$6.00

Bouquet Green Wreathing

Per 100 yards, \$5.00

Special price in quantity.

ALL OTHER XMAS STOCK ON HAND.

PALMS AND FERNS We guarantee safe arrival by express.

ELLIS & POLLWORTH, MILWAUKEE, WIS.

Mention The Review when you write.

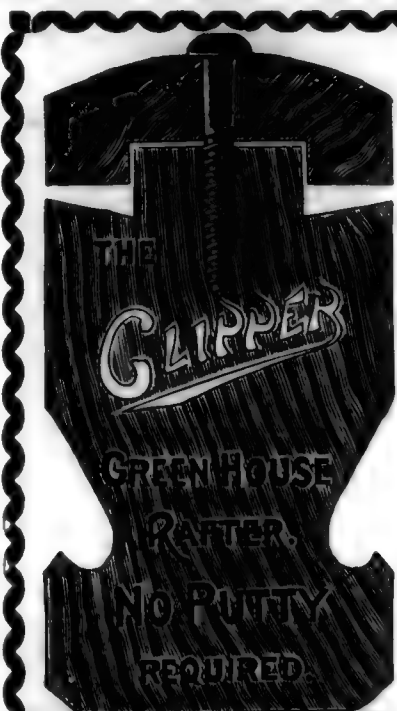
WAVERLY, MASS.

Begonia Gloire de Lorraine is much in evidence at W. W. Edgar's. In addition to the individual specimens several hundred are being grown in pans together with Adiantum capillus-veneris magnifica. It is merely an experiment, but the combination makes a fine effect that cannot fail to meet with favor. This begonia is the freest flowering of the species and the bloom lasts well after being cut. Under artificial light the color is a soft pink shading to deep rose.

This may be called the home of the Adiantum, to judge by the excellent stock flourishing both in beds and in pots. A. tenerum is the favorite, it produces such long, strong fronds, superior to cuneatum or decorum. Heavy daily cuts are made for steady store supply. A pretty conceit is the filling of 4-inch pans with three or more A. cuneatum, also larger sizes with Begonia Lucy Closson, Caladium Argyrites and the like for color effect. Cocos are used in large numbers. No two dishes are made up alike. I noted a frame filled with Solanum capicastrum, in splendid shape for the holidays, also poinsettias in various sizes.

A new house has been added for azaleas; it is both handsome and useful, built to admit as much light as possible at back of and under the benches.

W. M.



Butted Glass.

This is no longer an experiment, it has come to stay. There are various ways of making Butted Roofs, but the best way is with the

Clipper Bar.

With this bar you can make a roof that is absolutely free from drip, and glass cannot be torn out by the wind. Butted glass makes a tight roof, a warm house and saves fuel. It lasts longer, looks better and costs less than the old-fashioned roof. But do not think that this is the only bar we sell, for it is not; we furnish what people want and there is nothing in greenhouse material that you cannot get from us, and all of open-air-dried Cypress clear of bright sap, stained sap, knots and all other defects.

Lockland Lumber Co.

Write for Circulars
or Estimates.

Lockland, Ohio.

NEW LONDON, CONN.

Trade has been very good here all through the season. There has been no abatement in the taste and demand for chrysanthemums; fair, full, medium sized flowers suit our trade best.

The Appledorn brothers have taken the greenhouses left by W. E. Pendleton when he went to the Klondike to hunt for gold. There is gold in small quantities in flowers if we know how to take it out.

J. S.

ALBANY, N. Y.

Jno. Dingwall reports a total failure with Semple's strain of aster. I have noted this elsewhere. Whilst asters generally were not nearly so good as usual, Semple's variety seems to have been the most unsatisfactory, coming both single, one-sided, blasted and poor color. Queen of the Market was the best this season. One of the largest stocks of bedding plants in Albany county is raised here.

W. M.

BALTIMORE.

Robt. L. Graham is picking some fine violets, for which he has a good trade.

Wm. Christie is interested in building a fine two-story frame residence on the corner of one of his garden lots, where he pulled down one of his old glass houses, retaining the others, in the rear of his attractive residence building.

Mrs. Thos. H. Patterson has just returned from visiting in central New York state, where the florists' prospects are good.

Robt. Patterson is improving slowly.

Isaac Moss is quite busy with his new Govanstown nursery, where he has built a fine new house for roses.

Wm. Fraser is shipping some fine rubber plants to New York and Jersey. Says the local demand is good for palms and nursery stock, which he receives daily from his Ruxton, Md., nursery, where he is growing roses and carnations.

Samuel Feast & Sons have a fine display of cut blooms in their Charles street store.

Halliday Brothers anticipate a good holiday trade for carnations and roses. Their greenhouses are kept in good order.

Mrs. Mary J. Thomas says the demand is greater than the supply for violets on Charles street, and good carnations are not overplentiful.

Edwin Seidewitz, president of the Baltimore Florists' Club, makes the meetings quite interesting by his abrupt questions encouraging the young members to study up horticulture.

John Cook is bringing out a fine new pink rose which attracts the attention of the visiting florists. It is not named yet.

Henry Eberhardt disposes of all he grows in the Lexington market, where his daughter, Miss Eberhardt, commands a good trade.

Edward A. Montgomery, successor to Montgomery Bros., sells all he grows in the city markets; demand good.

Mr. Richmond exhibits some fine roses in the Richmond market; also has a good demand for carnations there.

J. E. K.

ADVERTISING RESULTS.

Publisher Florists' Review: Enclosed find page adv. for your issue of Dec. 8. The last adv. was a daisy. It brought returns from Maine to California. GEO. M. CARTER.
Evergreen, Ala.

MONSIEUR SANDER.

From a veracious eastern daily paper we learn that Acalypha Sanderi was introduced by "Mr. Sander, a Frenchman and a member of the Legion of Honor."

Monsieur Sander, we salute you!

REINBERG BROS.

800,000
FEET
OF
GLASS.

Wholesale
Growers of

Cut Flowers

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine . . .

AMERICAN BEAUTIES.

Give us a trial and convince yourself.

51 Wabash Ave., CHICAGO

Mention The Review when you write.

Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of **CUT FLOWERS**
and Dealers in

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.

Lynch
WHOLESALE FLORIST.
19-21
E. RANDOLPH ST.
CHICAGO
Mention The Review when you write.

A. L. RANDALL

Telephone
1496



Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better prepared than ever to handle your orders.
Mention The Review when you write.

Full Line of Wire Designs and Florists' Supplies

Successor to
S. B. WINTER
Winter & Glover

Write for Illustrated Catalogue.

21 Randolph St.
CHICAGO.

HIGH GRADE Cut Flowers

Properly Packed and Promptly Forwarded.

Mention The Review when you write.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.

Mention The Review when you write.

Brilliant Green and Bronze

Galax Leaves

CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.

PRICE LIST.

CHICAGO, December 8, 1898.

AMERICAN BEAUTY

Extra long stem . . . per doz.	\$1.00 to \$5.00
24-inch stem	3.00 to 3.50
20 "	2.50
15 "	1.50 to 2.00
12 "	1.25
8 "	1.00

METEOR per 100,	\$4.00 to 6.00
BRIDESMAID	4.00 to 6.00
BRIDE	4.00 to 6.00
KAISERIN	4.00 to 6.00
PERLE	3.00 to 4.00
CARNATIONS , com'n . . .	1.50 to 2.00
" fancy	3.00

All other stock at lowest market prices.
No charge for packing.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.
Mention Florists' Review when you write.



ST. LOUIS
Cut Flower Co.
Wholesale Florists,
1322 Pine St.,
ST. LOUIS, MO.

Mention The Review when you write.

ELLISON & TESSON,

WHOLESALE SHIPPING

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

...Home Grown Stock...

Mention The Review when you write.

C. W. WORS,

2740 Olive Street, - - ST. LOUIS, MO.

Flowers at Wholesale

ROSES, and a full line.

Headquarters for the Southwest.

F. F. BENTHEY, MANAGER.

BENTHEY & CO.,

Wholesale and Commission

FLORISTS,

41 Randolph Street, CHICAGO.

Consignments solicited.

Mention Florists' Review when you write.

Always Mention the...

Florists' Review

When Writing Advertisers.



**Wholesale
Cut Flowers....**

Long Distance
Telephone
Express 466.

AND FLORISTS' SUPPLIES.

88 Wabash Ave., CHICAGO, ILL.

All Flowers in Season at Chicago Market Prices.

Mention Florists' Review when you write.

**Decorative Stock,
Palms and Ferns**

	Per doz.
Latania Borbonica, 4-in.	\$3.00
" " 4½-in.	4.00
" " 6-in.	9.00
Kentias, 4 to 5-in.	\$5.00 to 6.00
Phoenix Reclinata, 5-in.	5.00
" Canariensis, 5-in.	5.00
Seaforthia Elegans, 5-in., 50c each	5.00
" " 6-in., 75c "	7.00
Oreodoxa Regia, 4-in., 45c "	5.00
Cham. Humilis	5.00
Ficus Elastica, 4-in., 40c each	4.50
Cycas Revoluta, 4-in., 25c each	
Asparagus P. Nanus, 3-in., 10c each	1.00
" " 4-in., 15c "	1.50
Sword Ferns, 3-in., 50c per doz.; 4-in.	1.00
Ad. Cuneatum, 3-in., per 100, \$5.00	.75
" " 4-in.	1.00
Selaginellas, E. and Martensii, 3-in., 8c each	.75
Cyperus Alt., 4-in., \$3.00 per 100.	

Send for List of Florists' Supplies.

WILLIAMS & SONS CO., Batavia, Ill.

Mention The Review when you write.

Areca Lutescens,

COCOS WEDDELIANA,

KENTIA BELMOREANA,

LATANIA BORBONICA,

FOR PRICES AND SIZES

See Florists' Review, November 17th, page 660.

JOSEPH HEACOCK, Wyncote, Pa.

Mention Florists' Review when you write.

The Cottage Gardens,

C. W. WARD, QUEENS, L. I.

Manager.

WHOLESALE GROWERS.

FLORISTS' SPECIALTIES.

Mention The Review when you write.

Ardisia Crenulata....

4 to 5-in. pots, with berries, 25 cents.

H. STEINMETZ, - - - Raleigh, N. C.

Mention The Review when you write.

SPECIAL OFFER of.....

Large ARECA LUTESCENS.

ELEGANT SPECIMENS, and of such form and character that they can be recommended for any purpose. All have been grown "cool," and are tough and hard. Very bushy (several plants in a pot). The shorter plants are most bushy.

8-inch pots, standing	3½ to 4 feet	10-inch pots, standing	5½ to 6 feet
8	\$2.00	12	\$7.00
9	2.50	12	8.00
10	3.00	12	10.00
10	5.00	12	12.00
10	6.00	12	15.00

For full line of Palms, etc., send for Wholesale Price List.

CHAS. D. BALL, Holmesburg, Philadelphia, Pa.

Mention The Review when you write.

LILY OF THE VALLEY PIPS.

THE BEST SIZE AND FINEST STOCK IMPORTED.

\$10.00 per thousand. Special prices for large lots.

J. M. THORBURN & CO., 36 Cortlandt St., NEW YORK.

Mention Florists' Review when you write.

ORCHIDS....

We are headquarters for imported and established Orchids of the finest quality. Also a complete line of material for Orchid culture.

Lager & Hurrell, Growers and Importers.... Summit, N. J.

Mention Florists' Review when you write.

OUR SPECIALTY!

**Rooted Cuttings of
New Varieties of Carnations.**

Special prices to those who issue lists or buy to sell again. Let us know what you are going to need.

GEO. HANCOCK & SON, Grand Haven, Mich.

Mention The Review when you write.

**'MUMS-- Stock
Plants.**

Send for price list.

**AMERICAN ROSE CO.,
Washington, D. C.**

Mention The Review when you write.

Get your order for **ROSES, CAR-**
NATIONS, PAPER WHITES,
and ROMANS **CHRISTMAS**
for..... in early to

Geo. A. Kuhl, Pekin, Ill.

Mention The Review when you write.

BUFFALO.

Thanksgiving Trade.

We had a touch of winter to accompany Thanksgiving, which did not hurt business even if it did compel us to bring out our closed wagons, boxes, wraps, etc., for safe delivery. The general report is that it was a good Thanksgiving, perhaps the best we have ever seen. This festival, which it now can be called, is gradually growing both in general observance among business men as well as the more luxurious class, and the call for cut flowers on that occasion is most certainly on the increase. Violets, Beauties, roses and first-class chrysanthemums were in most demand. It may be said that the business of that day was just about what it should be every day of the year to keep up the many expensive stores and still more numerous retail establishments of this overgrown, spread-out, overrated, well paved, residential, conservative, slow, sleepy town.

Notes.

There is a glimmer of hope that business will be fairly good; everything helps. Just at present there is a goodly sum spent for flowers for the funeral of Mr. William Sheehan, father of ex-Governor William Sheehan and Mr. John Sheehan, ex-police commissioner of New York City. These illustrious young men were born and raised in our city, and with no silver spoons between their lips. Such are the possibilities of this great country.

Mr. John E. Hinman, of Elk street, died last week a much respected man. He had but recently joined the ranks of the florists, being for many years previously in our educational department.

We notice in the trade journals (none in particular nor none excepted) an occasional elaborate account of Mr. So and So's chrysanthemum exhibition, given, of course, in their own store. This I believe is hardly right and of little interest to the general reader. These advertising schemes are usually given by the man who is best able to help out a public exhibition which is a benefit to all, but their own individual show is of much more benefit to them. Department stores and other large concerns have frequent so-called openings to attract people to their stores, and they get voluminous notice in the local papers describing the beauty and magnificence of their "opening," but they would not get a line if they were not handsome customers to these papers as advertisers. A florist who wants to get ahead of his local competitors has a perfect right to do the same, and if he is a patron of the press of his city he will get no doubt an elaborate and ridiculous account of his exhibition. Where "every lady receives a rosebud," etc., but this is of no interest to the readers of a trade paper and should be discouraged.



REGULAR SHIPPING ORDERS RECEIVE
SPECIAL ATTENTION.

WHOLESALE GROWERS OF Cut Flowers

We Are Headquarters for...

AMERICAN BEAUTIES,

of which we cut from 2,000 to 3,000 daily. Our Brides, Meteors, Maids and Perles were never better.

OF CARNATIONS

we grow 50,000 plants of all the leading varieties, and they cannot be surpassed.

Mention The Review when you write.

W. E. TORBROS.

51 Wabash Avenue, Chicago.

PRICE LIST.

CHICAGO, Dec. 8, 1898.

Am. Beauty, extra	Per doz.
long stem	\$1.00 to \$5.00
24-in. stem	8.00 to 3.50
20-in. "	2.50
15-in. "	1.50 to 2.00
12-in. "	1.25
8-in. "	1.00
Meteor	per 100, \$1.00 to \$6.00
Bridesmaid	" 4.00 to 6.00
Bride	" 4.00 to 6.00
Kaiserin	" 4.00 to 6.00
Perle	" 8.00 to 4.00
Carnations, common ..	" 1.50 to 2.00
fancy	" 8.00

All other stock at lowest market prices. No charge for packing.

...KELSEY'S BRILLIANT SOUTHERN...

GALAX LEAVES and LEUCOTHOE SPRAYS

FOR CHRISTMAS AND THE HOLIDAYS.

Introduced by Harlan P. Kelsey.

Nothing Else will Take Their Place.

Can be had of all leading wholesale florists who are supplied by me, or write or wire me direct. Be sure to ask if they are KELSEY'S, and so get the finest colored and firmest leaves. Used out of original cases—no rehandling.

For all the finest floral decorations. Nothing equals Galax for wreaths, crosses and all funeral designs, as they remain perfectly fresh outside without care.

Use the small green leaves with violets. Nothing else so cheap, lasting, beautiful and easily handled. Remember the long, wiry stems.

In early December and during the winter I will have a large supply in Boston direct from my Highlands Nursery in the Carolina mountains placed in Cold Storage, packed in original cases as below, and can ship promptly from Boston on order by mail or wire. I reserve right to ship from either Boston or N. C., unless ordered to contrary.

PRICES: GALAX, large or small, either color, per 1000, \$1.25; 5000 or more at \$1.00 per M. Terms Cash.

LEUCOTHOE SPRAYS, per 100, \$1.00; per 1000, \$8.00.

Case A—5,000 Galax, assorted sizes and colors.	Case E—5,000 Galax, small Bronze
Case B—Same as A, with 200 Sprays.	Case H—5,000 Galax, large Green
Case C—10,000 Galax, assorted sizes and colors.	Case I—5,000 Galax, small Green
Case D—5,000 Galax, large Bronze.	Case L—500 Leucothoe Sprays

Order cases by letter or larger quantities by thousands.

Cases A (\$5) and B (\$7) are very popular. Try one or more for sample.

Large orders may be shipped by freight at a great saving if time permits, direct from my Highlands Nursery. Be explicit in shipping directions, or my best discretion is used. Telegraph orders save time. Large orders may be shipped direct from my Highlands Nursery.

Address Telegrams and Letters to the Introducer,

Long Distance Telephone.

HARLAN P. KELSEY,

Proprietor Highlands Nursery in North Carolina.

1108 Tremont Bldg., BOSTON, MASS.

Orders should be placed now for Xmas. Ask for Samples.

Mention The Review when you write.

100,000 VERBENAS, THE CHOICEST VARIETIES IN CULTIVATION....

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

No Rust or Mildew.
Packed Light and
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention The Review when you write.

AMERICAN CARNATION SOCIETY.

The following new carnations have been registered since last report:

By W. R. Shelmire, Avondale, Pa.

DUKE OF YORK.—White, very slightly penciled with light pink. Large, perfectly formed flowers. Stems long and very stiff. Does not burst the calyx. Plants very bushy, large and healthy; grows strong in the field; comes in bloom early and flowers continuously.

LIBERTY.—Dark pink, rather bordering on red; bright and brilliant. Not extra large, but of good size, and does not burst the calyx. Flowers early, freely and continuously. Good stem, but not so tall in growth as some of the larger kinds. Plant vigorous, healthy and bushy.

ALBERT M. HERR, Sec'y.

Lancaster, Pa.

Vaughan, McKellar & Winterson

CUT FLOWERS.

ROSES.

Beauties, long.....	per doz.,	\$3.00 to \$4.00
" medium.....	"	2.00 to 3.00
" short.....	"	1.00 to 2.00
Brides, Maids, Meteor...per 100,		3.00 to 5.00
Kaiserin, La France....	"	3.00 to 5.00
Perle.....	"	3.00 to 4.00
Roses, our selection....	"	3.00 to 4.00

CARNATIONS.

Fancy Stock.....	per 100,	\$1.50 to \$2.00
Ordinary Stock.....	"	1.00 to 1.50

CHRYSANTHEMUMS.

Fancy Varieties.....	per 100,	\$15.00 to \$25.00
Medium Stock.....	"	8.00 to 12.00
Common Stock.....	"	4.00 to 6.00

MISCELLANEOUS STOCK.

Violets.....	per 100,	.75 to 1.50
Valley.....	"	4.00 to 5.00

ORCHIDS.

Cattleyas.....	per doz.,	\$8.00
Cypripediums.....	"	2.00
Assorted Orchids.....	box,	10.00

Above prices subject to change without notice.
GIVE US YOUR XMAS ORDER EARLY.

Decorative Stock.

Wild Smilax, parlor brand.....	\$3.75
" medium case.....	5.50
" large case.....	8.00
Asparagus Plumosus.....	per doz., 6.00
" string.....	.50
Smilax.....	per doz., \$1.00 to 1.50
Adiantum Ferns.....	per 100, .75 to 1.00
Common.....	per 100, .15
Galax Leaves.....	per 1,000, 1.50
Farleyense Fronds.....	per doz., 1.00

We carry a good stock of above always on hand and can fill orders promptly.

Cyclamen Plants.

Fine plants for Xmas trade.
Good assortment colors, well flowered.

Positively none better.

Shipped direct from Greenhouses by express only.
1,000 5-inch pots.....per 100, \$25.00
500 6 "....." 50.00

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ORDER NOW and secure your supply early.

Holly and Green.

We will meet the quotations of any reputable Western House.
We have fresh goods of the following and are ready to fill your orders:

CAPE FLOWERS,
IMMORTElLES,
PAMPAS PLUMES,
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SHEET MOSS,
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VASES, RIBBONS,
WHEAT SHEAVES, DOVES,
TIN FOIL, TOOTHPICKS,
BASKETS, BOUQUET PINS,
VIOLET TIN FOIL, CHENILLE.

Rattan and Wire Rings for Holly Wreaths

Store open from 7:00 A. M. to 7:00 P. M.
Sundays and Holidays, 7:00 A. M. to Noon.
All orders packed with the greatest of care and shipped on time.

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Tel. Main 1129.

45-47-49 Wabash Avenue, CHICAGO.

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Cincinnati Cut Flower Co.

W. A. MANN.
FRANK W. BALL.

416 Walnut St. Wholesale Florists
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Consignments Solicited.
Special Attention Given to Shipping Orders.
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WHOLESALE FLORIST,
11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.

CONSIGNMENTS SOLICITED.
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Wholesale Florists and
dealers in Florists' Supplies

Special facilities for shipping south. Unequaled
returns for good stock. Open night and day.

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GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We
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HARDY FERNS.

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per 100; 4-in. pots,
\$35.00 per 100.

CYCLAMENS, assorted, best, 3-in.,
\$6.00 per 100.

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78...
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PALMS and Decorative Plants in Quantity

Come, see Ericas (Heather), also Full
and convince yourself. Line of Other Flowering Plants
Price List on Application.

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NEPHROLEPIS Fine, Strong,
3½-inch plants,
\$7.50 per 100.
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\$15.00 per 100.
COMPACTA. Cash with order.

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HOLLY AND GREEN.

We are now booking orders for the above. We guarantee the quality.

E. H. HUNT, 76-78 Wabash Ave., CHICAGO.

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Herr's Carnations.

YOU RUN NO RISK.

All Carnation Cuttings are sent out with the privilege of returning them at my expense if they are not found satisfactory on receipt and your money returned in full.

I have from 1,000 to 5,000 stock plants of each of the leading varieties, and offer Rooted Cuttings at very reasonable prices. Correspondence solicited.

ALBERT M. HERR,
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GERANIUMS. S. A. Nutt, Marvel, and other standard varieties, 2-inch pots, \$2.00 per 100.

ASPARAGUS SPRENGERII. Strong plants, 2½-in. pots, \$8 per 100

BOUGAINVILLEA. Large, bushy plants, 4-inch pots, \$10.00 per 100.

CARNATIONS all sold.

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Carnations.

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FOR THE ASKING.

Exclusive Importers and
Manufacturers of

Florists' Supplies

25 N. Fourth Street, PHILADELPHIA, PA.

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Pandanus Veitchii.

For sizes and prices see "Review"
of November 24th, page 690.

John Welsh Young, - Germantown, Pa.

UPSAL STATION PENNA R. R.

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Rose Hill Nurseries.

**Palms, Orchids, Roses, Ferns
AND FOLIAGE PLANTS.**

Largest stock in America.

SIEBRECHT & SON,

New Rochelle, N. Y.

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TROY, N. Y.

G. T. Sambrook & Son possess one of the snuggest ranges of houses and most handsome stores in the City of the Trojans. Cleaner stock it would be hard to find. Mr. S., Jr., was a pupil of Mr. L. Menand for many years and the result is seen here. W. M.

HUNT'S WEEKLY QUOTATIONS

Taking effect Monday, Dec. 12, 1898.

Subject to Change Without Notice.

We are Headquarters for CUT FLOWERS.

ROSES.

Good stock scarce.

Beauties, long	per doz.,	\$3.00—4.00
" medium	"	2.00—3.00
" short	"	1.00—1.50
Brides	per 100,	4.00—6.00
Kaiserin	"	4.00—6.00
Maids	"	4.00—6.00
Meteors	"	4.00—6.00
Perles	"	2.00—4.00
Our selection	"	2.00—4.00

CARNATIONS.

Fancy	per 100,	\$3.00—4.00
Selected Stock	"	1.50—2.00
Good	"	1.00—1.50

GREENS.

Asparagus	per string,	.50
Ferns—Adiantum	per 100,	1.00
Common Fancy	per 1,000,	1.50
Smilax	per doz.,	1.25—1.50

Wild Smilax, in stock.

Large case \$8.00

Medium 5.50

Parlor Brand 3.75

Galax Leaves, green, bronze, \$1.50 per 1000.

MISCELLANEOUS.

Callas	per doz.,	1.50—2.00
Valley	per 100,	4.00—5.00
Ivy Leaves (oiled)	"	.60
Alyssum	"	.15
Violets	"	1.25—2.00
Romans, Paper Whites	"	4.00

HUNT'S FLOWERS GO EVERYWHERE.

Special Attention given to the Shipping Trade.

E. G. Hill & Co.

**Wholesale
Florists,**

RICHMOND, - INDIANA.

Mention The Review when you write.

DUBUQUE, IA.

Trade in plants is slow, cut flowers are in fair demand. Market gardeners are injuring plant sales by unloading big lots of plants on the market.

The palm swindler has been here, but failed to work his little game this time. He ordered a load of palms from W. A. Harkett, to be delivered at the residence of a well known citizen. While the plants were being delivered the hired man appeared on the scene and brought to light the fact that the plants had not been ordered. While the hired man and his mistress were in consultation the swindler disappeared. The police have his description. G. A. H.

WASHINGTON.

Thanksgiving Trade.

Snow, wind and rain proved a great drawback for Thanksgiving day. Roses and cut mums were very plentiful. In spite of bad weather everybody did fairly well. Roses brought \$6 to \$8; carnations, \$2, and poor at that; violets, \$1; mums, all varieties, \$6 to \$12.50.

Owing to so much rainy, snowy weather since the holiday stock is coming in very poor and the demand has kept pace with the weather.

From all indications mums will be plentiful until Christmas; Major Bonnaffons are seen in abundance at present writing. J. H. Small & Son have used several thousand of this beautiful variety the past two weeks for reception work.

John Robertson, our young Connecticut avenue florist, has bought the entire estate of the late John Robinson, four miles out of the city. The establishment includes the handsome residence, Carnegie horses and house furniture, as well as four houses stocked with roses and orchids; also several hundred frames of violets, all in fine condition. He has the best wishes of the fraternity for his success.

J. D. Davidson was recently presented with a bouncing boy.

Visitors: A. Nelson, of F. R. Pierson Co.; Mr. Ford, of A. Hermann & Co.

F. H. KRAMER.

WORCESTER, MASS.

The severe weather of the past week has interfered seriously with business, but violets and carnations being in short supply there was not so much fault found.

Prices are having an upward tendency, especially on the new varieties of carnations.

Fisher & Son have had an unusually busy time on funeral work.

H. F. Littlefield has put in 150,000 cuttings of the new varieties of last season's carnations.

The Worcester County Market Gardeners' Association has voted to invite the florists to join the association and to make it a joint organization to promote the interests of both branches. H. R. Kinney of this city is secretary of the association.

BAY STATE.

WELLSVILLE, O.—W. A. Herbert has remodeled his houses and added 1,000 feet of new glass, giving him a total of over 7,000 feet.

SHIREMANSTOWN, PA.—John F. Rupp found his home chrysanthemum show a decided success in bringing many visitors who made purchases of all kinds of stock. He presented a large blooming plant to each of the express messengers and conductors on the railroads by which he ships plants and finds this an excellent plan to secure a careful handling of his shipments.

HEADQUARTERS FOR

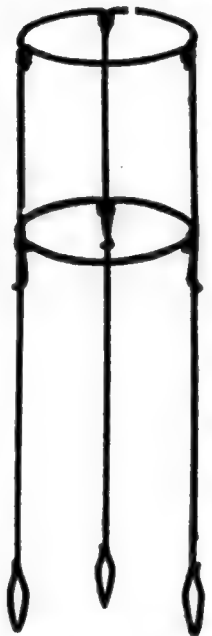
ASPARAGUS PLUMOSUS NANUS

W. H. ELLIOTT

BRIGHTON, MASS.

CUT STRINGS, 8 to 10 feet long, 50 cents each.
Shipped to any part of the country.

The MODEL Extension Carnation Support.... Also Wire Rose Stakes.



QUEENS, N. Y., Feb. 16, '97.
MR. THERON PARKER, Brooklyn, N. Y. Dear Sir:—I have tested your latest Model Carnation Support, and am free to say that I consider it the best wire carnation support that I have ever seen. It is quickly and easily applied, and I think will prove very durable, and you certainly deserve great credit for the invention.
Very truly yours,
C. W. WARD.

FLATBUSH, BROOKLYN, N. Y.,
Feb. 18, '97.

MR. THERON PARKER.
Dear Sir:—Your wire stake is certainly a gem. Without hesitating we endorse it as an up-to-date Carnation Support. Yours truly,
DAILEDLOUZE BROS.

W. HOBOKEN, N. J., Feb. 18, '97.
MR. THERON PARKER, Brooklyn, N. Y. Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up Carnation Supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for for a long time. Wishing you every success in the sale of them, I am,
Yours truly,
E. ASMUS.

Write for Prices, Circular and
Special Discounts for early orders.

The Model Plant Stake Co.
THERON PARKER, Mgr., Inventor and Patentee,
22 Morton Street. BROOKLYN, N. Y.
Mention The Review when you write.

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THE Florists' Manual

By WM. SCOTT.

It will tell you just what you want to know in just the way you want to be told.
It will cover the whole field of Commercial Floriculture, the articles arranged alphabetically, so that reference may be quick and easy.
It will be a whole library in itself.

Price, \$5.00.

Send in your order now.

Florists' Publishing Company
520-535 Caxton Bldg., Chicago.

50,000 Rooted Cuttings

	Per 100
Begonia Incarnata Gigantea.....	\$2.00
" Rex, mixed, Mrs. Pollock.....	2.00
" Rex, 30 named varieties.....	4.00
Coleus, 50 varieties.....	1.00
" mixed.....	\$5.00 per 1,000..... .60
" separate colors, 6.00.....	.75
Ageratum, Geraniums, mixed.....	1.00
Geraniums, separate kinds.....	1.50
" bronze, lemon verbenas.....	1.50
" silver leaf, rose scented.....	1.50
" Mme. Sallerii, Vinca var.....	1.25
Impatiens Sultana, assorted.....	2.00
Pelargoniums, assorted, named.....	4.00

POTTED PLANTS.

Begonia Incarnata Gigantea.....	2½-in. 4.00
" Rex, mixed.....	4.00
" Rex, 30 named varieties.....	6.00
Cinerarias, best strains.....	3.00
Asparagus Plumosa Sprengerei.....	6.00
Impatiens Sultana.....	3.00
Geraniums, Silver Leaf.....	4.00
Lemon Verbena.....	4.00
Forget-me-not, winter flowering.....	3.00
Vincas Var., 2-inch, 3-inch, extra.....	\$2.00 to 4.00

Write for prices on other stock or for large quantities. Terms Cash or C. O. D.

GREENE & UNDERHILL,
Watertown, N. Y.

Mention Florists' Review when you write.

GERANIUMS. Grand collection. Double and Semi-double as Ricard, Grant, Bonnat, La France, Buckner, Nutt and a host of other sorts. Rooted Cuttings, \$10.00 per 1000, exp.; \$1.80 per 100, mail. Replanted, extra strong, \$13.00 per 1000, exp. Coleus, 25 superb, 75c per 100, mail. Cash with order, please. List of stock if desired.

DANIEL K. HERR, LANCASTER, PA.

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SURPLUS STOCK OF ROSES.

500 Perles, 1000 Brides, 1500 Bridesmaid, fine stock, out of 2½-inch pots, \$3.00 per 100, \$25.00 per 1000.

VIOLETS, field grown clumps, \$3.00 per 100.

C. LENGENFELDER,
Cor. Western and Berteau Aves., CHICAGO, ILL.

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Hot-Bed Sash.

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3 ft. x 6 ft., 3 rows 10 in. glass.
3 ft. 3 in. x 6 ft., 4 " 8 in. "
4 ft. x 6 ft., 5 " 8 in. "

Not glazed, 1 3/4 in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,
Lockland, Ohio.

Bridesmaids, Brides and American Beauties.....

are being successfully and profitably grown with use of JADOO FIBRE for mulching and JADOO LIQUID for watering (twice a week.)

Try them and be astonished.

THE AMERICAN JADOO CO.

817 Fairmount Avenue.

PHILADELPHIA, PA.

All PROMINENT Seedsmen and Dealers sell
JADOO FIBRE and JADOO LIQUID.

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A profitable investment for (up to date) growers of Cut Flowers.

IRISH-GROWN Daffodils for Forcing.

The cream of the marketable varieties.

Lily of Killarney (new), a magnificent variety, the flowers are pure white, petals and cup as large as Sir Watkin. Per 100, \$4.00 Per 1,000, \$30.00.

Leeds, Superbus Alba, broad white petals, white cup, a most beautiful variety, flowers like a Eucharis Lily (rare). Per 100, \$3.00. Per 1,000, \$25.00.

Sulphur Phoenix, large double white rose-shaped flowers, very chaste and much prized for bouquets, etc. Per 100, \$2.00. Per 1,000, \$15.00.

Narcissus Poeticus Ornatus Albus, petals pure white, broad and well formed; cup white, beautifully fringed, for forcing. Stock limited. Per 100, \$2.00. Per 1,000, \$15.00.

The above are unsurpassed for forcing, cutting for market they have no equal and realize enormous prices at Easter.

Also the following forcing stock in sound condition at the following low prices to clear: Per 100 Per 1000

SIR WATKIN	\$2.00	\$17.00
EMPEROR	2.50	20.00
EMPRESS	2.00	17.00
BARRI CONSPICUUS	1.75	15.00
GOLDEN SPUR	1.75	15.00

All full sized bulbs and true to name. Satisfaction guaranteed. Cash with order, please. 10 per cent. off orders \$5,000 and upwards. F. O. B. Liverpool. No charge for pack-ge

A. KNIGHT, Daffodil Specialist,
13 A Clanbrassil St., DUBLIN, Ireland.
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CARNATIONS.

H. WEBER & SONS, - OAKLAND, MD.

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FREE FLOWERING CHRYSANTHEMUM LITTLE CHRIS.

New
Free-Flowering
Dwarf
Chrysanthemum

"Little
Chris"

Plants from 3-in. pots,
35 cts. each, 3 for \$1.00;
4-in., 50 cts. each, \$5.00
a dozen.

**W. T. Bell &
Sons,**
Franklin, Pa.

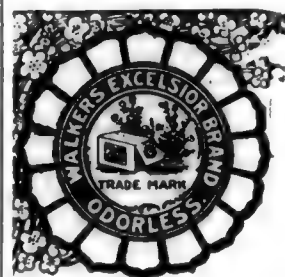
POSTAGE ON CUT FLOWERS.

What is the proper rate of postage on cut flowers. The P. O. here has been charging the rate for merchandise and I am of the opinion it should be only half rate, the same as plants.

J. C. F. CO.

The rate is one cent per ounce or fraction thereof. Following is the ruling by the postal department:

"By the act approved July 24, 1888, the postage on seeds, cuttings, roots, cions and plants is at the rate of one cent for each two ounces or fraction thereof. Dried plants, fruits and cut flowers are subject to the rate of one cent per ounce."



**100% Profit
For You**

and entire satisfaction for your customers. What more does anybody want?

WALKER'S PLANT FOOD

ABSOLUTELY ODORLESS

is an ideal food for house plants. Send for free literature and price lists.

FLOWER CITY PLANT FOOD CO., Rochester, N. Y.

Mention The Review when you write.

CLEVELAND.

The Market.

Business is still improving. Roses sell from \$2 to \$6. Carnations are scarce and readily bring \$1.50 and \$2 for select. Mums are a thing of the past. Romans are held at \$2 and \$3; paper whites, \$3. Harrisii lilies are displayed in some of the windows; retail price, \$4 per dozen. Good Beauties are scarce and bring \$7 per dozen.

Notes.

J. M. Gasser had a handsome window decoration this week; a large mirror, draped with portieres made of log moss, the entire window carpeted with same. At one side was an old moss-covered log, at the other a three-paneled moss screen imbedded with cypripediums.

Smith & Feters had a window of cacti in bloom, which attracted much attention.

Recent visitors were Martin Reukauf and Mr. A. Heitzer, of Massillon, Ohio.

The bowling Club met after the adjournment of the Florist Club Monday evening, at which the following scores were made:

James Eadie	122	129	149
C. H. Cushman	134	133	143
H. Hart	84	93	...
James Wilson	151	124	197
Chas. Graham	99	101	95
Henry Kuz	167	143	161
A. Graham	106	140	129
S. M. Pentecost	125	160	124
A. Stephan	126	159	142
A. Hart	134	106	157

The committee on badges decided on two gold badges, one for the highest individual and one for the highest average score for the month.

O. A. C. O.

CAMBRIDGE, MASS.

Ferns to the right of us, ferns to the left of us, ferns all around us, is what we see at Fred C. Becker's, and the end is not yet. With the tens of thousands dispersed to the four corners of this vast territory, including Canada, he has order books ahead which are filled as the stock is fit.

W. A. Bock has embarked more heavily than usual in the Boston fern and reports big sales for his excellent stock.

W. E. Doyle has several houses filled with handsome specimens which as here grown cannot fail to take. Mr. Murphy tells me the out of town orders for larger sizes are more numerous this fall than heretofore.

Jas. Quinn devoted an additional house to it and is well satisfied with results. Much of his stock of this popular fern is made up to order.

W. M.

AN EXPERT PROPAGATOR.

A florist tells us an amusing story of a man new to the business who begged some tuberose tops to propagate from.

The Harrisii Disease

can be prevented by immersing the bulbs
for 5 hours in a half solution of.....

..Kraft's Plant Tonic.. 99%

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills **Hard Shelled Scale, Mealy Bug**, and other insect pests without injury to the plant. A trial of a 25-cent bottle will convince you that a really remarkable insecticide has been discovered. Send for circular.

Kraft Plant Tonic Co., → **Rockford, Ill.**

Mention The Review when you write.

Delaware Holly of the Best Grade.....

from the Swamps,
with Bright Green Foliage and well Berried

Orders will now be received for shipments which will go forward freshly packed at the proper time. For prices and terms, address—

ALEX. PULLEN, ✿ ✿ **Milford, Delaware.**

MILFORD NURSERIES.

Mention Florists' Review when you write.

JUST ARRIVED from

FRANCE -- Roman Hyacinths, Narcissus, Freesias, etc.

JAPAN -- Lilium Longiflorum, all sizes. Crop short.

HOLLAND -- Hyacinths, Tulips, Narcissus, Crocus, etc.

CHINA -- Chinese Secred Lilies.

On hand:—Extra selected **Lily of the Valley**, 2,000 in a case \$24.00

From cold storage:—A fine lot of **Araucarias**.

State quantity needed and prices will be cheerfully given by

F. W. O. SCHMITZ, - - **JERSEY CITY, N. J.**

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F. & F. NURSERIES, SPRINGFIELD, NEW JERSEY

Wholesale Growers TREES and PLANTS in Full Assortment.TRADE CATALOGUE FREE.

Mention The Review when you write.

Rooted Cuttings.

	Per 100.	Per 1000.
Coleus, 12 varieties	\$.60	\$5.00
Ageratum, Princess Pauline	1.25	10.00
Petunias, double, 7 varieties	1.50	12.50
Alyssum, Little Gem	1.00	8.00
Salvia Splendens . . . . .	.75	6.00
50 at 100 rate, 500 at 1,000 rate. Express paid.		

E. H. SMITH, MACOMB, ILL.

Mention Florists' Review when you write.

INSURE AGAINST FIRE

Florists' Mutual

Fire Insurance Ass'n.

ADDRESS **W. J. VESEY, Sec'y,**
FORT WAYNE, IND.

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Burpee's Seeds Grow



HITCHINGS & CO.

233 MERCER STREET, NEW YORK.
GREENHOUSE BUILDING.

VENTILATING APPARATUS

HOT WATER BOILERS, PIPES AND FITTINGS.
SEND FOUR CENTS FOR CATALOGUE.

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KEWANEE, ILL.—A large number of visitors attended the chrysanthemum show at the greenhouses of Hamilton & Plummer and the display was warmly praised by the local press.

SANTA CRUZ, CAL.—At the annual chrysanthemum show of the Santa Cruz Floral Society a feature was a floral Ferris wheel ten feet in diameter kept in motion by an electric motor.

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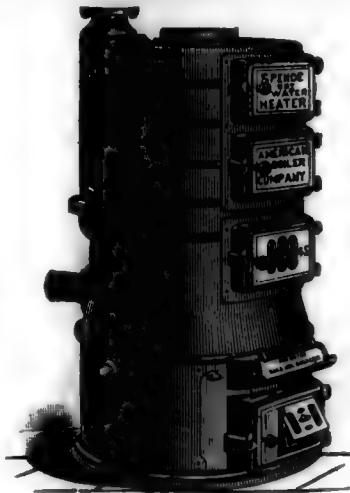
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Vol. III.

CHICAGO AND NEW YORK, DECEMBER 15, 1898.

No. 55.

ADIANTUM LEGRANDI.

The maidenhair family includes a wonderful variety in both size and form, and a collection embracing all

inches in length and the fronds very compact and closely clothed with small pinnae. In fact the growth in small plants is so close and overlapping that the foliage is quite subject

able that it is a seedling variation from *Adiantum Pecottii*, which it very much resembles, the chief distinction apparently being found in the longer leaf stems of *A. Legrandi*, while both varieties present the same dark green color of the foliage. As a trade fern *A. Legrandi* has not become prominent, and as a matter of fact it is less frequently seen in trade collections now than it was a few years ago, the demand in this line being confined to ferns that are more sturdy and less brittle.

The culture of *A. Legrandi* presents no special difficulty, apart from the liability to damping that has already been alluded to, and by keeping the water off the foliage and giving free ventilation, the trouble from this cause may be reduced greatly.

In getting up specimens of these small growing adiantums for exhibition purposes, it is a good plan to group several young plants in a pan about 10 inches in diameter, and a shapely plant may thus be formed in a few months by treating them in the same manner as one would *A. cuneatum* for a similar purpose.

W. H. TAPLIN.

PROPAGATING HARDY SHRUBS.

How should I propagate altheas, tamarix and *Hydrangea paniculata grandiflora*?
W.

Altheas and tamarix strike very easily from cuttings of the ripe wood taken in fall,—say December, and kept in small bundles buried in sand, loam, sawdust or moss in a shed or cool cellar or even out of doors till early spring, when they are unearthed and planted thickly in straight nursery rows in beds. The cuttings may be six or eight inches long. In fact we have found that cuttings of these shrubs taken in spring, any time before they leaf out strike fairly well, es-



Adiantum Legrandi.

the distinct forms grown into specimens would occupy a very large house.

The variety we now illustrate belongs to the dwarf section, the stipes or stems being usually but a few

to damping off unless the house in which it is grown is kept well ventilated.

Regarding the origin of this fern but little is known, and it seems prob-

pecially in the case of the tamarix, indeed in summer or winter it is almost as easy to strike as a willow.

While the hydrangea may be grown from hard wood cuttings as above, we handle it with far greater success when we take cuttings of young wood in early summer and insert them in a firm bed of sand in a close, cold frame, shaded overhead with calico or brush on skeleton frame supports about seven feet above ground. In

large nurseries there is a big nest of such frames for propagating all manner of hardy shrubs, roses, etc., in, and this summer propagation is regarded as the easiest and most successful. If you don't need many of the hydrangeas, layering them in summer is the easiest way to handle them. The same (layering) is true of magnolias, Japanese maples, snowball shrubs, etc.

F.



CHRISTMAS ARRANGEMENTS.

The following is from information supplied by Mr. John Gormley, chief decorator for E. Wienhoeber, the well known Chicago florist:

The call for red flowers seems more marked than ever this season so far, and Meteor and American Beauty roses and red carnations are in particularly strong demand.

A pretty Christmas decoration is a tall vase of red carnations set in the center of a wreath of holly for the table, the wreath about 16 inches in diameter and made about 3 inches wide, of selected holly, well berried. Holly branches may be arched over the mantel and over the sideboard, the mantel banked with ferns and a vase of Meteor roses or red carnations at one end.

An inexpensive table centerpiece for a Christmas dinner that gave much satisfaction was a sheaf of holly, of selected branches, well berried, made in much the same shape as a sheaf of wheat, about 15 inches high, filled in solid at the top, and tied at the center with a sash of red ribbon to match the holly berries. And sprays of holly were laid on the table. The price charged was only \$4.50, and it made a satisfactory decoration for a table with twelve covers.

Another popular table centerpiece for Christmas is a flat plateau of loosely arranged holly, with some sprays of mistletoe worked through the holly. A fair sized plateau can be sold for \$5.00 and make a fair profit.

But the best customers want holly, etc., made a mere incident of a Christmas decoration, and prefer choice

flowers and greenery to be the most prominent, and there is a continual call for something new in the way of arrangement. But even when novelty is called for it is safest to get the ideas of the customer before making recommendations. And before making suggestions it is essential that the decorator visit the house and study the arrangement of the rooms, color of the furniture, wood-work, hangings, etc. He should be able to present his estimate of the cost then and there if an estimate is called for, as he can explain any matters that seem unreasonable to the customers or may cut out some portions to reduce the cost if it is found that the expense will be greater than the customer had thought. If an estimate is sent afterward by mail his figures may lose him the job, when nothing but the figures are before the people, who will probably have lower figures from some other florist who is not in a position to give equally good flowers and arrangement.

A novel dinner table decoration ordered by a customer for next week is as follows: The centerpiece is to simulate a bowl and will be a 12-inch ball filled solid with Bridesmaid roses, no foliage showing. It will be about sixteen inches in diameter when filled. Inserted in the center of the ball is a vase three inches in diameter and twelve inches deep. This will contain a loosely arranged bunch of long-stemmed Maid roses. It will be a bowl formed of Bridesmaid roses holding a bunch of the same roses. From this centerpiece four garlands of the same rose will radiate. Each of these garlands will be three feet long and will contain fifty roses, and at the end will

be finished with a bow of pink ribbon. The price for this decoration will be \$45.

A reception decoration ordered for the near future is to be almost wholly of red carnations. For the best work he likes Jubilee and Wellesley. The color of the latter is very popular with customers, though the grower says the variety is not as profitable as he would like. A decoration of red carnations shows up finely under artificial light, and it is practically universal now in the case of an afternoon reception to draw down the shades and turn on the light, so the appearance under artificial light is very important.

Where red carnations are ordered for a reception he generally makes the buffet table center piece a handle basket of carnations, using a 15 to 18-inch round or square basket. He uses one containing the tin holder for plants. This is filled with growing ferns—adiantums, pteris or Boston fern, or a combination, sometimes with a cocos at the side near the handle, and sometimes a plant of Asparagus plumosus. The long carnations are stemmed with No. 21 wire, though occasionally the stems are tough enough to enable him to insert them in the soil without the aid of the wire. A loosely defined band of the carnations is carried diagonally across the ferns, and a graceful bunch of from 18 to 24 blooms is attached to the handle and tied with ribbon of the same shade as the flowers. This is the only decoration for the buffet table which is usually six or seven feet in diameter. If there is a mantel in the room it is decorated with ferns and a vase of the same carnations placed at one end. The universally demanded screen of palms for the musicians is supplied and if the price warrants individual palms are placed in effective positions. Large banks of plants are rarely called for now.

A pretty center piece is a fish basket 24 to 30 inches long filled with ferns from pots and a broad band of loosely arranged long-stemmed carnations carried diagonally across under the handle with a bow of red ribbon at each end. Some sprays of Asparagus Sprengeri may be attached to the handle.

A customer has a round cut glass bowl about three inches deep and fifteen inches in diameter. He fills this with moss which is then well soaked and arranges therein from four to six dozen Bridesmaid roses, making the arrangement very loose and allowing some of the roses to bend over and touch the cloth. No extra foliage is used, and the arranging is always done at the residence of the customer, avoiding any possibility of injury during delivery. This lady is continually trying to think of a change for her table, but after discussing the matter always falls back on the old arrangement which has proved so satisfactory even if lacking in novelty.

In plant arrangements for Christmas he finds Ardisia crenulata very useful and popular. He fills a zinc lined



Vase of Dahlias.
[Mainly Cactus Varieties.]

basket with growing ferns (often using the Boston fern), arranges a few ardisias in between, and trims the handle with sprays of holly and mistletoe tied with red ribbon. This arrangement takes well and sells at from \$5 to \$10.

Quite a large number of pans filled with primulas are sold here at Christmas. The pans are 8 to 12 inches in diameter and are filled with from four to six primula plants, sometimes with Roman hyacinths arranged among them. The Romans used are bulbs lifted when in bloom from flats. Sometimes the pans are covered with green or red crepe paper, tied around the pan with ribbon to match the flowers, and sometimes they are placed in basket covers made to order of a size to fit the pans. These sell at from \$1.50 to \$3.00 each, and are very popular with those desiring something at a moderate cost. They grow from 500 to 600 primulas for Christmas sales. The seed is sown the latter part of June. They aim to close them all out at the holidays and find no money in growing them for later blooming. Cyclamens are also used in the pans and baskets mentioned.

American Beauty roses are almost invariably used only in tall vases in decorations. Violets seem more popular than ever, the double sorts being in much better demand than the singles, as the singles do not last well enough.

The demand for specimen chrysanthemum flowers seems to grow stronger as the season for them closes. By

the time the people get educated up to appreciating them they are unobtainable. Roses seem to sell well right through the chrysanthemum season, especially Beauties.

That the florist could sell more made-up arrangements at the holidays is unquestioned, but he can't spare the time to make them up and it is therefore fortunate that so much of the call is for loose flowers, but at the same time this is not so well for the florist at other seasons, there being little made-up work in which he can use his second grade flowers to advantage. Probably one cause of the increased sales of plant arrangements is that they can be put together a little in advance of the rush, and another factor is that they are more lasting than arrangements of cut flowers.

Only a few hundred yards of bouquet green wreathing are handled here. This is made specially heavy for a few particular customers and a good price charged. There is little profit and much worry in handling any quantity of it under present conditions. Wild smilax is rapidly passing into the same class. The price is figured too closely to allow a fair profit.

Quite a lot of bushy drooping plants of English ivy were noted. They were in 4-inch pots and were on a narrow shelf just under the edge of the main bench in several houses, the vines drooping to the walk. They are largely used in decorations to hide the pots of palms and other large plants. Pot covers are used on the large plants,

but the desire is to have these covered as much as possible. Ornamental pedestals are now rarely wanted. The common iron ones are used and hidden by foliage, the ivy being very useful for this purpose.

When plants are taken out in very cold weather they are packed in large boxes, two of which just fit side by side in the wagon box. Though the wagon is heated this is considered necessary, as the plants always have to be carried some little distance from the wagon to the house and unless so protected the plants are sure to suffer in severe weather.

DAHLIAS.

The photograph from which the accompanying engraving is made, was taken under difficulties. Quite a high wind blowing at the time knocked over and spoiled my first arrangement and broke some of my finest flowers. And it was taken early in the season, when the flowers were just coming out and were rather scarce.

A number of very fine varieties, mainly of the cactus type, are seen in the picture, including Starfish (the dark flower at the right near the base), orange scarlet; Miss Webster (the light colored flower in the center at the base), pure white; Cannell's Gem (the one at the extreme left in the upper part of the picture), a small flower of good form, color soft red shaded orange; J. E. Frewer (at the extreme right in the upper part of the picture) a fine large flower, color vermillion; Ensign (at the extreme left at the base), also a very large and perfect flower, color bright carmine; Grand Duke Alexis (the large white in the center), a very fine flower. The pompon at the right at the base is Lady Blanche.

I now have one of the finest collections of dahlias to be found anywhere, including about fifty varieties of the true cactus, besides a number of the decorative type. Notable among the sorts not shown in the picture are Fantasy, very different from all others in that the petals curve inward, also Mrs. Moore, which is one of the finest, very much like the preceding in form of petals, the color being a velvety crimson streaked maroon. These last two are very fine keepers. I have had them keep and look well for a full week.

I have sold quite a lot of dahlia flowers, as they have been very freely used here the past summer for evening wear. But the season was a bad one for dahlias and sweet peas, owing to the great amount of rain. With me sweet peas went up about ten feet and some of the dahlias over eight feet.

I grow all my dahlias to the single stalk as they take up so much less room that way and do very well. Besides the cactus dahlias I have the show, fancy and pompon sorts, and for two years have taken the first prize at the exhibition at Halifax, N. S.

G. H. HASZARD,
Charlottetown, P. E. Island.

MISCELLANEOUS SEASONABLE HINTS.

Christmas Greens.

With the average florist the week before Christmas should be a very busy one; all true gardening operations should be in such shape that they can be suspended for a couple of weeks except the most essential features of water, fire and ventilation. If you busy yourself with making wreathing and holly wreaths it should all be done and stored away at least three days before Christmas, for the last few days before that great festival and florist harvest are always taken up with packing and delivery, and with the customers that you are not sure to get, but fondly hope you will, and most always do. This bit of advice can best be summed up with the adage, "Never put off till tomorrow what can be done today." I say a word about keeping these so-called greens for the last week. The bouquet green or ground pine dries very quickly and if not green and fresh has lost what little beauty it ever had. I have never found a better place to keep it after being made into wreathing than in a frame outside, and cover the frame with boards to prevent too great an amount of snow from piling on it. The last advice is seasonable, for within a few miles of here we have now 5 feet on the level. Scatter a little between the wreathing and keep dark, but do not pile too much wreathing in a heap or it will flatten out and be anything but ornamental. A cool, damp cellar is the ideal place for holly wreaths, and next to that I have found that beneath a bench in a cool house is a good place. Beneath a bench 100 feet long and 6 feet wide and some coarse paper laid on the ground will hold a good many holly wreaths.

Delivering Plants.

There are many things that can be done which will save you time and consequent vexation, fret and stew when the last day of the rush does come, not only save you the general upsetting of yourself and help, but aid greatly in serving your customers in a more satisfactory way. We must admit that plants are much more difficult to handle and require far more skill and care in their handling than cut flowers. A plan which we have followed for the past few years, much to

the help of our business, is to set aside a portion of a bench in one of the houses near the packing shed, or as near where the wagons will leave from as possible (but that is not of so great consequence as to set aside the bench in some cool house), spread heavy wrapping paper on the bench so that the pots which you place there will not have any sand or ashes sticking to them.

Have a portion of the bench allotted to the different days on which the deliveries will be heavy. This year you should have a space for Thursday, Friday, Saturday and Sunday (Christmas day). As soon as you take orders in the week beginning Dec. 19th, you can look out the plants, have the pot washed and the plants set in the space allotted for each day's delivery. That will save you a tremendous amount of work; on Friday morning you need not let the heap of Saturday's delivery crush your soul, you have only Friday's to think of. "Sufficient unto the day is the evil thereof." The evening before or very early in the morning the deliveries of that day should be wrapped in paper, tagged with the address where they are to go, and in nine cases out of ten nowadays they will be presents and there will be a card to attach to the plant. Now when Mrs. Sampson says, "I want that azalea to go to Mrs. Dewey; there's the card, and this poinsettia to Mrs. Genl. Wheeler, and this Boston fern to Mrs. Shafter, don't mix the cards, please," you will say "Yes, ma'am," and get it down all right and understand it, but if left to the hurry and rush of the last day and perhaps two wagons waiting for a load, you are likely to get things mixed and much annoyance ensues. All cards should be in an envelope and not fastened on with a piece of wire, but by narrow baby ribbon. These little things make a great difference. The card of the person sending the plant can be tied on a day or two ahead of time, for syringing can be dispensed with. The address tag can be written and temporarily fastened to the plant as soon as sold.

In addition to the full name and number on street of the destination of the plant, wreath or mistletoe bough, you should write on the tag just what the articles are, then the delivery man

has little excuse. Example: "Mrs. Roosevelt, 1001 Halcyon avenue, one palm, one begonia, bunch holly." This I consider a most important point for the driver is bound to forget verbal instructions, but if he can read he will know what goes with each name. Another point about delivering which will save much time, much horseflesh and much disappointment is in addition to having the plants looked out for each day, to have a man who thoroughly knows the city to load up a wagon of deliveries that are going to a certain section of the city, let it be it either east, west, north or south. It is better to send off a small load in one direction than it is to send a big load in contrary directions. You can call this man the "router" if you like, but he is a valuable man whatever his name, and his knowledge of the city and expeditious dispatch of the delivery wagon will help wonderfully at the critical time.

System is everything and get everything down to a system. I know of little that is new in the way of delivering plants. If the weather should turn warm, as we have many times seen it, delivery is easy. We have more than once delivered a poinsettia on Christmas eve in an open wagon in the balmy temperature of 55 degrees, and the following Easter sending out lilies in a covered box with a blanket over it. If Christmas brings us seasonable weather, and it is exceedingly seasonable at present, plants have to be wrapped in paper. If it were only just above or below the freezing point then they would be safe in a covered wagon, but if there are 20 degrees of frost they must be enveloped in paper, whatever wagon you use. I know of no way better than to lay on the bench a sheet of strong wrapping paper of ample size, then one or more sheets of tissue paper, and then the plant. With a quick but skillful roll the plant is enveloped, and a few pins do the rest. The last pin should fasten on the address tag, for it is much better to have the address well up towards the top of the plant where it is easily seen and read, than it is fastened round the pot.

Crepe Paper.

Crepe paper was used largely last Christmas and still more so at Easter, and doubtless will be asked for again. It is a tax on us florists, for I don't know that we get any more for our plants, but you can't blame our customers, for it adds greatly to the attractiveness of a plant and hides the plebeian flower pot. It should be cheerfully and artistically supplied, not only when requested but to induce sales. A Deutsche Perle azalea, with the addition of ten cents' worth (or less) of pale green crepe, would look worth a dollar more than it would in its plain red jar, however well scrubbed. It takes time, especially

when you have little to spare of that commodity, to arrange crepe on the plant, but it can be done ahead of time if you will only be careful in watering. Crepe saturated with water is worse than a starched collar when it is 98 degrees in the shade; it wilts badly.

Summary.

One more hint: There are many of your plants that are fully developed in flower, or at least would be no better if further out, and a good number of them you are sure to sell. They should be found a moderately cool place and have their pots washed several days ahead of time. Nothing can be more disagreeable than to have to be scrubbing a jar perhaps while the customer waits.

Another department will perhaps be taken care of by another pen, but it

cannot be impressed on you too strongly to have every convenience ready to your hand. See that you have neat, plain cards and envelopes for the use of your customers. Be sure to have twine of several sizes, be sure and have paper of all textures and sizes, and above all see that your supply of boxes of every size from the tiny violet box to the 5-foot American Beauty "trunk" is at hand and made up ready for immediate use.

I have endeavored to remind you of a few things you can do beforehand which I believe will help. It is a trying time. We sigh for business, but when it comes in cyclonic style we revolt. So the last hint is, keep cool, go to bed early, rise early, keep whistling when you are not selling, and drink cold tea till Jan. 1, 1899.

WILLIAM SCOTT.

ment on Mrs. Twombly, though liable to damp sometimes if the weather is warm. Mrs. Peabody is a very disappointing variety. The flower is fine in every way, but the neck is long and weak, and as a commercial variety Mrs. Peabody is out of it. Mayflower was fine as usual. I have only words of praise for this variety; habit, stem, flower, everything A1.

Prices show little improvement over last year, but all must concede that the quantity of flowers sold was enormous and the mum still holds its position (a high one) in the list of cut flowers from September to Thanksgiving. It is a curious fact that we always hear just about now that So and So is giving up growing mums to a large extent, no money in them, etc., etc. Next fall So and So will appear with his usual quantity or perhaps a few more. "Just giving it another trial. Couldn't quite get out of 'em, you know," and so the thing goes on ad infinitum.

BRIAN BORU.



CHRYSANTHEMUM NOTES.

The season just closed has proved that many of the old "stand-bys" can still keep their place with any of the new varieties. What variety in pinks can touch Vivand-Morel, for instance? It has been a splendid color this year and as usual built up into a magnificent flower. Pink Ivory, too, was well colored; quite different from its streaked and washed appearance of a year ago. Mrs. Perrin, though small, finished finely, but Glory of the Pacific was disappointing. Iora was well finished, but this variety needs lots of care in shipping; every flower must be kept separate, or the petals will interlace, and the flowers are practically ruined before they are separated. Belle of Castlewood is off color, but otherwise a splendid variety. Maud Dean we must discard on account of its poor center. I like best in pink, Morel, Mrs. Perrin and Iora, in the order named.

Golden Wedding in yellows more than maintained its reputation. Its peculiarities are now better understood and it has covered itself with glory. Bonnaffon everyone now grows, and it ranks as the best commercial yellow. Modesto makes a mammoth flower from the crown bud, is a splendid color, fine foliage, etc., but the stem is far too weak. Yellow Queen still ranks high as an early variety. Henry Hurrell as a second early deserves to be grown more extensively. It is fine in every way, its strongest point being its keeping qualities. It will keep well for a month on the plant and improve every day. Minerva is too soft for commercial work. Bramhall is out of date.

Eugene Dailedouze is still a grand flower, but hardly up to the present day standard in rigidity of stem.

Rieman on the terminal bud is excellent for late. Jeanne Falconer makes an enormous flower, but the color is poor. Some growers question the fact as to whether the society was justified last year in naming Peter Kay as synonymous with this variety. Personally I think they were, for I grew Jeanne Falconer and Peter Kay side by side and not a particle of difference could I see. The most beautiful yellow I saw this year was a European variety named Phoebus, a good grower, with a decidedly aristocratic look.

My favorites in standard yellows are Wedding, Bonnaffon, Henry Hurrell and Rieman. For a dark variety I would give the preference to John Shrimpton on account of its fine dwarf habit. The new Black Hawk of course is superior in color, but I am now simply reviewing the older varieties.

In whites Mrs. Robinson and Jerome Jones stand out as commercial favorites. The question is whether they do not stand out too prominently, for wholesaler, retailer and the general public get sick of them. I believe it pays to have enough variety to keep your customers interested. At the present time everybody is growing Jones and Robinson, and the public are Jones and Robinson sick and will often turn petulantly away, saying, "Oh, do please let me see something else." But to proceed. Ivory and Niveus still keep their place. Autumn Bride as an early white made an extra good showing. It is a great improve-

ECHEVERIA AND AMMONIACAL MIXTURE.

"G. H. M." inquires if echeveria seed sown now will make plants big enough for bedding in the spring? I take it for granted that the echeveria meant is *E. secunda glauca*, as that is the species so largely used or formerly was for carpet bedding. Most all the echeveria are easily raised from seed, *secunda* among them, but it would be too late now to raise plants from seed that would be of any use for bedding the coming season. They increase very rapidly from off-shoots and I would advise procuring a stock this spring and planting out as soon as frost is past. When used for any design they are usually planted in some stiff and by no means rich soil, as growth is not desired, but if you want them to send out lots of their off-shoots give them a richer soil. Seed sown now and grown along in flats during the summer would make nice plants for another year.

In connection with this little succulent, I may remark that fifteen years ago this plant was used by the million. It was the leading plant in our very formal so-called flower gardening, especially so when the style of gardening assumed the form of sun-dials or presidents' features, but that day is past and echeverias are now seldom seen, except perhaps as an edging to a bed. As Mr. Kanst, of Chicago, remarked to the writer this summer, "Yes, carpet bedding is gone; we have back the old-fashioned flowers with some new ones, and I am glad of it."

Ammoniacal Mixture.

I think that in the columns of The Review appeared a few months ago perhaps a more correct method of making the above. May be the Editor can find it, but the following answers my purpose very well. I use

it to water the cutting bed to keep down fungus and into it dip before putting into the sand all cuttings of carnations and chrysanthemums. I have never found it do any injury to cuttings when watered in the sand, but that is seldom necessary, as the sand can get a watering just before you put in a batch of cuttings.

One pound of sulphate of copper dis-

solved with 2 quarts of liquid ammonia. Dissolve in a cast iron or earthenware vessel, as it will quickly eat holes in a watering pot or any tin or galvanized iron vessel. Put this away in a jar, and one pint of it in 20 gallons of water is the proportion I use. This is a little weaker than some former directions, but is, I believe, strong enough for any purpose. W. S.



ORCHIDS.

(From advance sheets of the Florists' Manual, by William Scott.)

There is no class of plants at which the great majority of our commercial men look with greater apprehension than the orchids. To grow them successfully is something they may dream of but never achieve, so they think; but, fortunately, much of this mystery regarding their culture is rapidly passing away. Special houses are no longer deemed essential for the successful cultivation of orchids. It would be rash to say that orchids are among the easiest of plants to grow, because there is a wide difference between keeping them alive only and growing them to perfection, or as near perfection as we can with our artificial conditions. Yet it is the truth to say that no plant we grow will stand as much abuse or is more difficult to kill, providing the neglect is not too prolonged. A commercial firm whom I have every reason to believe thoroughly understand the most enlightened culture of orchids have adopted in their practice what may be called the board system of cultivation. For those growing large quantities for the cut blooms, the plan is doubtless admirable, and does not conflict with any cultural directions that will follow.

In these introductory remarks a few words on the popularity and probable future popularity and profitableness of orchids will not be out of place. It is true that ten years ago, through the efforts of one American firm, there were many small collections disseminated throughout the country, and many of them were not the easiest species to grow, or even good commercial kinds. Disappointment occurred in hundreds of cases, and for several years you have heard less said of orchids, at any rate, less favorable mention. But another change is about us. Many of our enterprising commercial men realize that orchid flowers are going to be in demand, whether they

grow them or not, and many of them are going into orchids in a business-like way, and giving them a portion of their skill and ability, as they have for years given the rose, the carnation, or the violet. And to keep pace with this we now have firms, both at home and abroad, ready to supply us at moderate cost with the most desirable and valuable commercial species and varieties.

The writer cannot conceive that there can be a doubt of the ever increasing admiration and fondness for these flowers, so beautiful, both in form and color, and so long lasting. Admiration they receive now by all, but there is neither supply nor demand as yet for the orchids to amount to

much in the aggregate of our flower sales for the year. I am far from wishing to see the profit, or even liberal profit, of the present few orchid growers cut down, and believe that when the price of a cattleya flower is more in sympathy with the pocket of the average flower buyer the demand will so enormously increase that the immense quantities which will in a few years be sold will be a far better business than the relatively few high-priced flowers sold today. If any people under the sun like and crave for "a change," it is our own; flowers are no exception, and what a delightful change from the morning, noon and night everlasting Bridesmaid rose is a bunch of cattleyas or many other gorgeous orchids. In Covent Garden, the great flower market of London, there are possibly as many orchids sold as rosebuds; but that is not difficult to understand; their orchids are grand in quality and moderate in price, while their rosebuds are rubbish.

The genera of which cultural directions follow embrace all the orchids that are desirable or essential for the commercial man to handle. All can be grown easily and profitably, and the different genera, species and occasionally a variety, cover the entire season, giving you every form, color and shading of this gorgeous family, which may be called the birds of paradise of Flora's Kingdom. The student or specialist in orchids wishing to learn of every known species and variety should obtain the volume on orchids written some years ago by Benj. S. Williams, London, Eng.

The "peat" so often mentioned in the following directions is not the same material which is found in many parts



Calanthe Veitchii.



Cattleya Mossiae.

of Europe. That "peat" is the surface soil, where some of the ericas are or have been growing, and after the vegetable matter has been shaken out it is merely a lump of fibrous roots of no fertilizing benefit, but merely a mechanical medium. This quality of peat is seldom found here, but a very good substitute is found in the chopped-up fibrous roots of our strong growing native ferns, a good quality of which is sold by several firms, and this is the "peat" referred to below.

I trust the would-be grower of orchids will dispel from his mind the idea that there is any secret or mystery in growing orchids. The cardinal qualities that will grow a house of roses will grow orchids—attention to the requirements of the plants, cleanliness, air, light, moisture, but above all with orchid study, the time and length of time the plants need resting. The latter is the most essential part of orchid culture.

The following cultural directions have been prepared and written by Mr. Wm. Hewson, whom I now have the honor to employ. He began his orchid experience with the fine collection at Goodwood, the grand home of the Duke of Richmond, afterwards being constantly associated with orchid cul-

ture in several places in the vicinity of London. After arriving in this country he was the practical cultivator of the wonderful collection of Mrs. Morgan, of New York, during the last three years of its existence. Since that time and always he has been an orchid enthusiast, and they have never been absent from his charge. What he says about them is plain and to the point, and can be understood by all, and I have proof, and with the utmost confidence say, that every word of his can be confidently relied upon and followed. WM. SCOTT.

Best Orchids for Commercial Purposes.

All baskets or racks should be made of red cedar, or hardwood, and should be put together with copper wire or copper nails, to prevent rusting.

AERIDES.—This beautiful genus is a native of India and the Indian archipelago, and requires a rather high temperature. They can be successfully grown suspended from the roof of a palm house, where a temperature of 60 to 65 degrees can be maintained during the winter months. Their resting season is from about November to March, after which period the tem-

perature can rise 10 or 15 degrees as the growing season advances. They can be grown in either pots or baskets, but I prefer the latter. Fill the pots or baskets two-thirds full of clean broken potsherds or charcoal; place your plant well up and finish off with a good top dressing of live, clean sphagnum moss. Care should be taken to keep the plants clean; remove all decayed matter from their roots and replace with fresh when occasion requires. Give a liberal supply of water during their growing season; in fact, they should never be allowed to become dry, or the leaves will shrivel. The white and brown scale are deadly enemies to this class of plants, and should be watched for, or the plants will soon become useless.

Aerides Fieldingii, a very free flowering species with bright, rose colored spikes, commonly called the fox-brush orchid. It generally blooms during June and July and lasts about three weeks in perfection.

Aerides crispum, another beautiful species, a free bloomer and of easy culture. This variety grows best in a basket suspended from the roof, blooms in summer, and the flowers have a very pleasing odor.

Aerides Lobbil, a dwarf growing species, does well in a basket, blooms during June and July, the spikes of pink flowers from 12 to 18 inches long and perfectly round. This is a grand variety.

Aerides odoratum majus, a grand old variety, very free bloomer, beautiful, aromatic odor, flowers in summer, lasting about two weeks in perfection; should find a place in every collection.

ANGRAECUM.—This peculiar genus requires the same treatment as aerides, only they all grow best in pots and require abundance of drainage and plenty of moisture during their growing season, which is about the same as that of the aerides. A little good fibrous peat can be used with the sphagnum for potting. They are mostly natives of Madagascar. The following I consider the best varieties for commercial purposes:

Angraecum eburneum, greenish-white flowers, very sweet and very large, strong spikes; blooms during the winter months.

Angraecum sesquipedale. This species I consider the best of the genus. It is a good grower and has large, peculiarly-formed flowers, with long white tails of ivory whiteness, and very fragrant. I have seen these tails from 10 to 15 inches long. It blooms in winter.

Angraecum Ellisii, another fine species, with immense flower spikes of pure white color, lip a cinnamon brown; very sweet scented.

CALANTHE.—A terrestrial orchid, and many are also deciduous. They are best grown in pots, well drained, and the bulbs well elevated. Pot in a compost of good fibrous loam, some well rotted cow manure, a little good, sharp



Cattleyas Mounted in Various Ways.

sand, and some broken charcoal, well mixed. Pot in March for flowering in December and January. They require a brisk heat and plenty of water in their growing season. An occasional watering with good liquid manure is very helpful to them. Place the plants in a cool house a few days before cutting the flowers for market, as this greatly adds to their strength and color. They should be rested in the same temperature as they were grown, but withhold water altogether until you wish to start them growing again. This variety is subject to thrip and should therefore be watched.

Calanthe Veitcnii, a beautiful sort, with large, branching spikes of flowers of a fine rosy pink color.

Calanthe vestita rubro-oculata. This variety has flowers the same as the preceding, only differing in color, which is white, with crimson eye.

Calanthe lutea, a beautiful variety, with fine spikes of white and lemon colored flowers.

CATTLEYA.—This genus is undoubtedly one of the best for commercial purposes, on account of its easy culture and the varied and extreme beauty of its flowers, which are produced at all times of the year and always find a ready sale in the large cities. Most of the species can be successfully grown where a temperature of 55 to 60 degrees can be maintained during winter. They can be grown in either pots or baskets, and many will do well on blocks of wood suspended from the roof, if the room is limited. All cattleyas like a strong light and should be grown as near the glass as possible, with but little shading and a moderate supply of water, even in their growing season. By keeping

them a little on the dry side, you insure stronger growth and better flowers. Have plenty of air and moisture around them and you will seldom if ever fail to be satisfied with the results. Pot in a well drained pot or basket in good, fibrous peat, with all the decayed vegetable matter removed, and some clean, live sphagnum moss. For blocks use a little peat at the back and fasten firmly with copper wire. Of course, plants grown in this way must be watched, that they do not suffer from lack of water, as they dry out much quicker than when in pots or baskets. The resting season of a cattleya commences as soon as they have finished their growth, when water must be withheld enough to just keep the plant from shriveling. The white scale is an enemy of the plants, and if allowed to accumulate, will soon destroy the best of specimens.

Cattleya gigas, one of the finest species, from New Granada, has fine, bold spikes of beautifully marked flowers, pale rose and crimson, and yellow blotched throat. Blooms in April or May.

Cattleya labiata, one of the very best, from Brazil, with beautiful rose and crimson flowers, which come in November and December. This variety grows best in a pot.

Cattleya Mendelii, a beautiful species from South America, flowers in April or May. Color white and crimson; will do well in a basket, and on no account over-pot this variety.

Cattleya Mossiae. This fine, old species is perhaps the best known of this genus, and should be in every collection. It blooms in early spring and lasts a long time in perfection if kept cool and dry. It will do well on a block if room is limited, and, suspended among the palms, will grow finely.

Cattleya Trianae. This is one of the most extensively grown species of the genus. Flowering as it does during the autumn and winter months, it is a general favorite with all; can be grown on a block.

Cattleya Percivalliana is a fine winter flowering variety from South America, grows best in a basket or pot, profuse bloomer under proper treatment; should be in every collection.

Cattleya Bowringiana, a magnificent species, producing on one spike as many as twelve or fifteen blooms of rosy pink color, with crimson lip. It should be grown in a pot with plenty of room, as it is a very strong grower.

Cattleya crispa, a fine species, very free flowering, producing fine spikes of beautiful, pure white flowers, with crimson lip and throat. Blooms in July or August, and will grow well in a basket suspended from the roof.

COELOGYNE.—This genus has many species and varieties, though very few are of much value to the commercial florist. The most useful is the beautiful

Coelogyne cristata grandiflora, which produces its graceful racemes of white



Cattleya Labiata.

flowers with yellow blotches on throat in early spring. This plant is of comparatively easy culture. It likes abundance of water during its growing season, which lasts till the bulbs have matured, when water should be withheld until the flower spikes are well advanced; otherwise they will start growing again instead of blooming. This species grows best in pots or pans, giving the plants plenty of room and good drainage. Elevate the bulbs on a compost of good fibrous peat, broken charcoal, or potsherds about the size of hazel nuts, and sphagnum moss, and finish off with live sphagnum as a top dressing. Potting should be done as soon as the flowering season is over. This plant will do well in a night temperature of 50 to 55 degrees in winter.

[To be Continued.]

A TENTH ANNIVERSARY.

Our New York contemporary, the Florists' Exchange, celebrates its tenth anniversary by issuing a splendid special number that is a credit to itself and the trade. We tender our congratulations.

THE GROWER AND THE COMMISSION MAN.

From the Broker's Standpoint.

Is not the grower of flowers in practically the same position as the truck gardener who ships to market? I fail to see any difference. One day he ships his stock and as prices are high he gets say \$50 for his little stock. The next day he ships the same amount, or perhaps a little more, and he receives only \$25. He at once blames his commission man for the reduced returns instead of looking for the real cause. If he would come to the city may be the broker could explain, or probably he could see for himself. In any case the cause could be made plain to his entire satisfaction.

For example, one day a grower ships 500 valley to market and as he happens to be the only shipper that day of course he gets top price; the next day he ships again but this time ten, or possibly fifty growers, having heard that valley is scarce and high in price, have all shipped to market. The supply is greater than the demand and

down goes the price. The first shipper mentioned, who has not been to market for a month, says when he receives his statements that one broker is a daisy and the other a robber, because he shipped to one firm the day stock was scarce and to another the day it was plenty. Possibly the firm that received the most on that day of heavy supply may have had the largest trade, both local and shipping, and have made the best returns of any broker for that day, but the grower, without looking into the cause of the disappointing returns, begins to send his flowers elsewhere, until the same thing happens to him at the new place. Then the former "daisy" will be considered to have turned "robber." It is fatal to the reputation of a "daisy" to receive a lot of stock during a glut or on an off day. Finally the grower may make a shift back to his old broker and if market conditions are good the latter may again become "a good fellow."

As a rule these things happen during a mum glut, or in early fall before trade has really opened for the season, and the first "robber" gets the worst of it for he must worry along using all possible expedients to dispose of flow-

ers when it is hard to sell anything (even nuts or gold dollars) and get nothing to sell when there is a market to take it. When the grower begins to ship again the holidays are over and high prices are gone. The broker who has worked hard to make the best possible returns in summer and early fall, when low prices, or any old prices, prevail, and has handled a few tons of flowers for a few cents' commission, is passed by when trade opens for the season and better conditions are at hand. In common justice the grower should give his broker a full year's trial and give him a chance at the period when prices average better.

judgment, on the day the stock is received.

COMMISSION MAN—CHARLIE'S AUNT.

BUFFALO.

Business Conditions.

Any comments on the weather would be entirely out of place from Buffalo, because we have largely escaped the terrific snow storms that have visited so many parts, but it has come very near us and there is altogether too much weather for good business. There have been a few receptions to help

primroses, cyclamen, pans of hyacinths and valley and other odds and ends, and if a customer wants kentia, rubber, araucaria, pandanus or dracaena he can be suited with any size or price.

We hear that holly is scarce, trust it may be so for there is usually too much. Ground pine is decidedly scarce. The price it has advanced to proves that, but we think there will be enough in town and it will bring when made up a good, fair profit. It is quite as healthy for all concerned when these articles are a little short.

A Visit to Mr. W. J. Palmer's.

During our show, when the dismal weather and the prospects of a dreadful failure stared us in the face for two solid days and we came near jumping into the canal, it was necessary to do something to prevent this rash act, so Peter Crowe proposed we take the Erie R. R. and go and see the veteran W. J. Palmer at his big establishment at Lancaster, and Messrs. Fancourt, Crowe, Troup and W. S. were soon there and fortunately found the old gentleman looking, we all declared, better than we had seen him in ten years; I mean the man and not his place. Such is the happy result of the country air, the steady pursuit of a pleasant business, the absence of the city's temptations, and a general calmness of mind.

Mr. Palmer has too large a place to describe in detail. I had not been there for two years. Several early built structures had vanished and in their place seven large iron frame houses of the latest pattern. These were filled with carnations and Beauties. There are many houses like them, but none can be better. They are actually a little lighter than outside. Then there are half a dozen 240 foot houses filled with Meteor, Bridesmaid and Brides. Further down the lot are seven or eight more carnation houses and although everything on the place is in the best of condition, here is where the visitor is most struck with admiration, for such Daybreaks, I believe, it is hard to find anywhere; size, color and quantity are all there—quantity, why there are hundreds of thousands. When Daybreak is grown rusty and weak and hot, it is a poor thing, but as grown here it sells ahead of any carnation grown. Mr. Palmer, when asked how he does it, answers in his characteristically modest way: "I don't know if there is anything in it. I guess they like a good stiff clay and I know they don't want to be over 45 degrees at night." Several equal-span houses are devoted to lilies, ferns and at that time mums, which will now be filled with hybrids.

There are two large houses devoted to violets and although they are yielding well Mr. Palmer is a heavy buyer of these little favorites. One house was filled with the single Californias planted on a low, solid bed. I measured the stems and they would average 10 inches. These violets, both varieties, had been growing in the beds



Coelogyne Cristata.

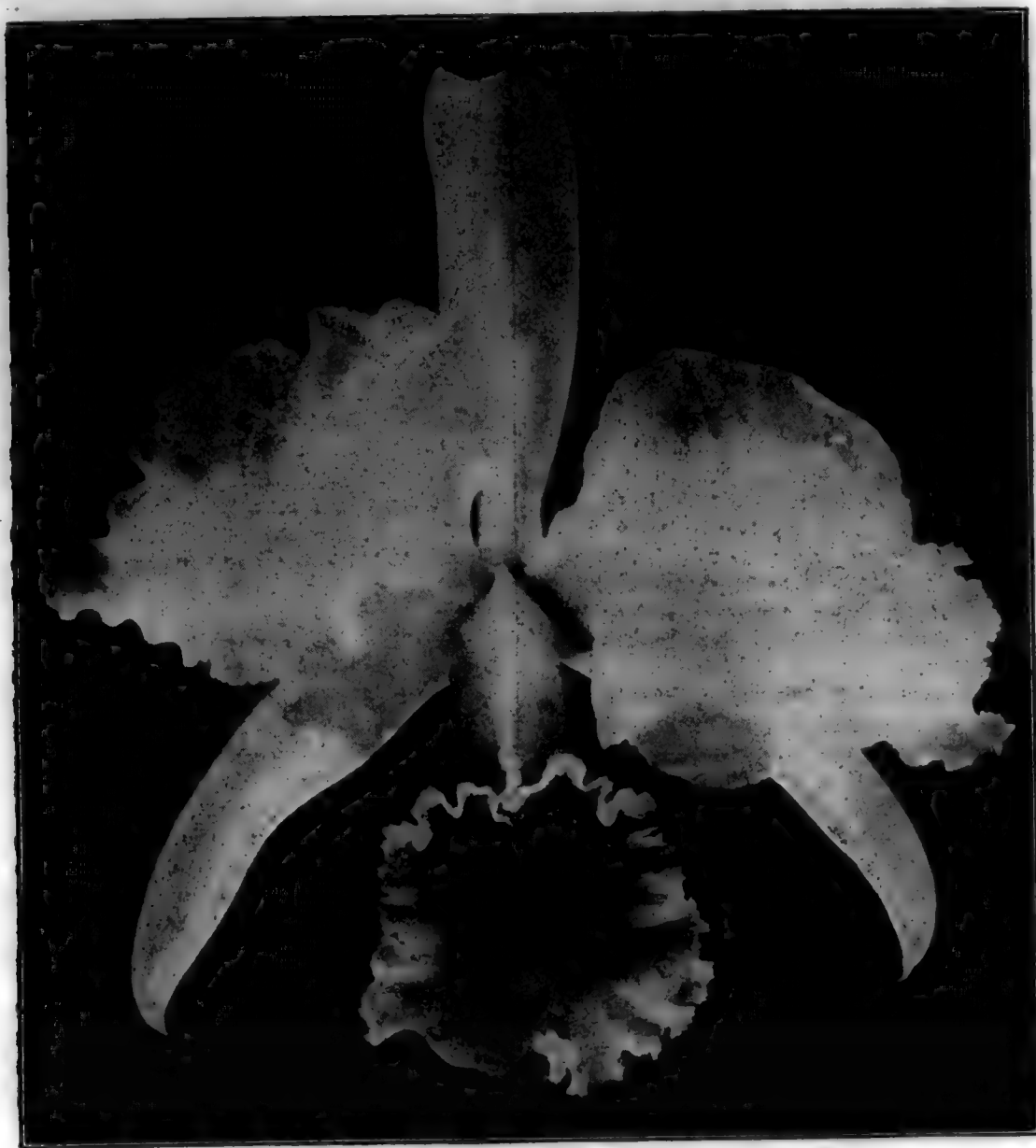
While I, as a broker, do not say that the day before Christmas, or Easter, or any other holiday, is the best time to ship a broker, for I have seen prices at those holidays drop to less than half what could have been secured for the same stock five or ten days before, I do say that every grower, even those that sell their own flowers, should send a quarter, a third, a half, or a small part of their cut to some other house—but stick out the year. And the broker that does the best during the year should have the greater part of your stock the next year. The grower that handles his own stock could then see that he is not the whole thing, for I believe an honest commission man can get more out of his flowers than he can taking the full year on an average. He as a rule covers more ground and has a larger field in which to find customers at paying prices.

No matter where your flowers are sold, some one must sell them, and it is only a question as to who has the best

along, and one very swell ball at which a bud budded, but buds have been altogether too few the past fall. There are no flowers going to waste now-a-days.

Carnations open slowly and with the exception of Daybreak and White are scarce. Violets get picked up quickly if of good quality. We never remember finer roses coming into town. Those from George Fancourt are particularly fine and so are others. Chrysanthemums are about gone, although we know of a batch of Golden Wedding and Bonnaillon here and there. Romans and Paper whites are with us in abundance and very welcome they are.

There will doubtless be a good demand for plants, both flowering and ornamental, for this feature of the business has been steadily on the increase. In flowering plants I find my neighbors pretty well supplied. There are going to be lots of good poinsettias, azaleas, begonias, Bermuda lilies,



Cattleya Percivaliana.

all summer (the way to grow them.) Off the end of one of the new houses a flight of stone steps (a good many of them) leads you down to a cool, moist cellar of ample dimensions, where a car load of flowers could be stored, and where ice is not needed at any time of year. Then there is the new boiler house, with its battery of 40 horse power, steel boilers and fire-proof boiler house and immense brick shaft all new, and then W. J. says, "I have to put in 800 feet of 12-inch sewer 14 feet deep this summer." But all this only keeps a man awake and prolongs his life.

The man from Wilkesbarre and his chum from Utica assailed W. S. because he spoke favorably of butted glass. Mr. Palmer half-heartedly supported the latter, perhaps more from sympathy than conviction, however, not strong enough to prevent several well-aimed 2-inch pots indenting several head gears. The fusillade stopped on our host proposing that we should all return to town, and seeing a fine crowd at the show we shook hands all round and agreed that butting or not butting should be left to our individual choice, but we should not butt each other.

Visitors.

We have heard of J. C. Vaughan flying through the city, but his stops both ways have been so brief we could not get a glimpse of him. Mr. Ringier, of Chicago, was also in town, but he avoided the precincts of Cold Springs. Mr. McRorie called recently and told us of the good things offered at the "Universal Horticultural Establishment," of W. A. Manda. Let me see I almost forgot; oh yes, of course, Mr. Mott was here last week doing a good business. And may we all do a good business for the next month is the prayer of your humble servant.

W. S.

CHICAGO.

The Market.

Prices remain about the same as last week, though in spots there is already a slight stiffening, evidently anticipatory of Christmas. The outlook for Christmas is very good so far, the weather having been quite favorable for the season, though the cold snap on Tuesday was a drawback. While there is no likelihood of a surplus, we are inclined to think the supply of car-

nations will be rather better than usual at the season and that aside from Beauties rose orders may not have to be cut so severely as in the past.

Christmas comes on Sunday, and though many will observe Monday, still Sunday will be the day for a large number, and it is evident that Saturday will be the heavy selling day for the retailer, though this may be extended into Sunday and in some cases to Monday morning. Conditions favor a longer selling season than when the holiday comes on a week day.

Every year there is more or less complaint about the grower failing to reach the market at the right time to get the most out of his stock, and this week we endeavored to get the views of the wholesalers as to the right time to get stock in for the coming Christmas. There was some diversity of opinion, but it is evident that shipping out on Christmas orders will begin as early as Tuesday and will be continued in varying volume up to Friday. A few dealers thought that Wednesday would be the heaviest shipping day, but the majority fixed upon Thursday as the day upon which the largest number of shipping orders would go out, and a few thought Friday would be the day. All agreed that from Wednesday on shipping trade would be brisk, and that it would be wise for growers to keep their stock coming in rather than bunching it at any particular time. As Christmas prices go into effect Monday there can be no object in holding back in quantity anyway. In any event the very last of the cut for shipping trade should reach the wholesaler by Friday morning at the latest, and the last of that for city trade should be in by Saturday morning at the latest. Anything coming later than that is practically sure to find "a banquet hall deserted." Distribute your Christmas shipments from Tuesday to Saturday morning, having the largest ones reach the dealer on Thursday and Friday, would seem to be the best advice that can be given after a careful review of the opinions of the dealers.

Various Items.

Wietor Bros. have put in at their greenhouses two liquid manure tanks 10x25 and 6 feet deep.

Mr. S. B. Winter is confined to his home by illness.

The next meeting of the Florists' Club will be held Friday (the 16th.)

Bowling.

At the meeting of the Bowling Club last Friday evening it was decided to put up two gold medals, value \$10 each, one to be awarded to the member making the highest average during a series of games covering three months, and the other to go to the member making the highest individual score during the same series. The medals must be won three times

ers when it is hard to sell anything (even nuts or gold dollars) and get nothing to sell when there is a market to take it. When the grower begins to ship again the holidays are over and high prices are gone. The broker who has worked hard to make the best possible returns in summer and early fall, when low prices, or any old prices, prevail, and has handled a few tons of flowers for a few cents' commission, is passed by when trade opens for the season and better conditions are at hand. In common justice the grower should give his broker a full year's trial and give him a chance at the period when prices average better.

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Any comments on the weather would be entirely out of place from Buffalo, because we have largely escaped the terrific snow storms that have visited so many parts, but it has come very near us and there is altogether too much weather for good business. There have been a few receptions to help

primroses, cyclamen, pans of hyacinths and valley and other odds and ends, and if a customer wants kentia, rubber, araucaria, pandanus or dracaena he can be suited with any size or price.

We hear that holly is scarce, trust it may be so for there is usually too much. Ground pine is decidedly scarce. The price it has advanced to proves that, but we think there will be enough in town and it will bring when made up a good, fair profit. It is quite as healthy for all concerned when these articles are a little short.

A Visit to Mr. W. J. Palmer's.

During our show, when the dismal weather and the prospects of a dreadful failure stared us in the face for two solid days and we came near jumping into the canal, it was necessary to do something to prevent this rash act, so Peter Crowe proposed we take the Erie R. R. and go and see the veteran W. J. Palmer at his big establishment at Lancaster, and Messrs. Fancourt, Crowe, Troup and W. S. were soon there and fortunately found the old gentleman looking, we all declared, better than we had seen him in ten years; I mean the man and not his place. Such is the happy result of the country air, the steady pursuit of a pleasant business, the absence of the city's temptations, and a general calmness of mind.

Mr. Palmer has too large a place to describe in detail. I had not been there for two years. Several early built structures had vanished and in their place seven large iron frame houses of the latest pattern. These were filled with carnations and Beauties. There are many houses like them, but none can be better. They are actually a little lighter than outside. Then there are half a dozen 240 feet houses filled with Meteor, Bridesmaid and Brides. Further down the lot are seven or eight more carnation houses and although everything on the place is in the best of condition, here is where the visitor is most struck with admiration, for such Daybreaks, I believe, it is hard to find anywhere; size, color and quantity are all there—quantity, why there are hundreds of thousands. When Daybreak is grown rusty and weak and hot, it is a poor thing, but as grown here it sells ahead of any carnation grown. Mr. Palmer, when asked how he does it, answers in his characteristically modest way: "I don't know if there is anything in it. I guess they like a good stiff clay and I know they don't want to be over 45 degrees at night." Several equal-span houses are devoted to lilies, ferns and at that time mums, which will now be filled with hybrids.

There are two large houses devoted to violets and although they are yielding well Mr. Palmer is a heavy buyer of these little favorites. One house was filled with the single Californias planted on a low, solid bed. I measured the stems and they would average 10 inches. These violets, both varieties, had been growing in the beds



Coelogyne Cristata.

While I, as a broker, do not say that the day before Christmas, or Easter, or any other holiday, is the best time to ship a broker, for I have seen prices at those holidays drop to less than half what could have been secured for the same stock five or ten days before, I do say that every grower, even those that sell their own flowers, should send a quarter, a third, a half, or a small part of their cut to some other house—but stick out the year. And the broker that does the best during the year should have the greater part of your stock the next year. The grower that handles his own stock could then see that he is not the whole thing, for I believe an honest commission man can get more out of his flowers than he can taking the full year on an average. He as a rule covers more ground and has a larger field in which to find customers at paying prices.

No matter where your flowers are sold, some one must sell them, and it is only a question as to who has the best

along, and one very swell ball at which a bud budded, but buds have been altogether too few the past fall. There are no flowers going to waste now-a-days.

Carnations open slowly and with the exception of Daybreak and White are scarce. Violets get picked up quickly if of good quality. We never remember finer roses coming into town. Those from George Fancourt are particularly fine and so are others. Chrysanthemums are about gone, although we know of a batch of Golden Wedding and Bonaffon here and there. Romans and Paper whites are with us in abundance and very welcome they are.

There will doubtless be a good demand for plants, both flowering and ornamental, for this feature of the business has been steadily on the increase. In flowering plants I find my neighbors pretty well supplied. There are going to be lots of good poinsettias, azaleas, begonias, Bermuda lilies,



Cattleya Percivaliana.

all summer (the way to grow them.) Off the end of one of the new houses a flight of stone steps (a good many of them) leads you down to a cool, moist cellar of ample dimensions, where a car load of flowers could be stored, and where ice is not needed at any time of year. Then there is the new boiler house, with its battery of 40 horse power, steel boilers and fire-proof boiler house and immense brick shaft all new, and then W. J. says, "I have to put in 800 feet of 12-inch sewer 14 feet deep this summer." But all this only keeps a man awake and prolongs his life.

The man from Wilkesbarre and his chum from Utica assailed W. S. because he spoke favorably of butted glass. Mr. Palmer half-heartedly supported the latter, perhaps more from sympathy than conviction, however, not strong enough to prevent several well-aimed 2-inch pots indenting several head gears. The fusillade stopped on our host proposing that we should all return to town, and seeing a fine crowd at the show we shook hands all round and agreed that butting or not butting should be left to our individual choice, but we should not butt each other.

Visitors.

We have heard of J. C. Vaughan flying through the city, but his stops both ways have been so brief we could not get a glimpse of him. Mr. Ringier, of Chicago, was also in town, but he avoided the precincts of Cold Springs. Mr. McRorie called recently and told us of the good things offered at the "Universal Horticultural Establishment," of W. A. Manda. Let me see I almost forgot; oh yes, of course, Mr. Mott was here last week doing a good business. And may we all do a good business for the next month is the prayer of your humble servant.

W. S.

CHICAGO.

The Market.

Prices remain about the same as last week, though in spots there is already a slight stiffening, evidently anticipatory of Christmas. The outlook for Christmas is very good so far, the weather having been quite favorable for the season, though the cold snap on Tuesday was a drawback. While there is no likelihood of a surplus, we are inclined to think the supply of car-

nations will be rather better than usual at the season and that aside from Beauties rose orders may not have to be cut so severely as in the past.

Christmas comes on Sunday, and though many will observe Monday, still Sunday will be the day for a large number, and it is evident that Saturday will be the heavy selling day for the retailer, though this may be extended into Sunday and in some cases to Monday morning. Conditions favor a longer selling season than when the holiday comes on a week day.

Every year there is more or less complaint about the grower failing to reach the market at the right time to get the most out of his stock, and this week we endeavored to get the views of the wholesalers as to the right time to get stock in for the coming Christmas. There was some diversity of opinion, but it is evident that shipping out on Christmas orders will begin as early as Tuesday and will be continued in varying volume up to Friday. A few dealers thought that Wednesday would be the heaviest shipping day, but the majority fixed upon Thursday as the day upon which the largest number of shipping orders would go out, and a few thought Friday would be the day. All agreed that from Wednesday on shipping trade would be brisk, and that it would be wise for growers to keep their stock coming in rather than bunching it at any particular time. As Christmas prices go into effect Monday there can be no object in holding back in quantity anyway. In any event the very last of the cut for shipping trade should reach the wholesaler by Friday morning at the latest, and the last of that for city trade should be in by Saturday morning at the latest. Anything coming later than that is practically sure to find "a banquet hall deserted." Distribute your Christmas shipments from Tuesday to Saturday morning, having the largest ones reach the dealer on Thursday and Friday, would seem to be the best advice that can be given after a careful review of the opinions of the dealers.

Various Items.

Wietor Bros. have put in at their greenhouses two liquid manure tanks 10x25 and 6 feet deep.

Mr. S. B. Winter is confined to his home by illness.

The next meeting of the Florists' Club will be held Friday (the 16th.)

Bowling.

At the meeting of the Bowling Club last Friday evening it was decided to put up two gold medals, value \$10 each, one to be awarded to the member making the highest average during a series of games covering three months, and the other to go to the member making the highest individual score during the same series. The medals must be won three times

In three different series before permanent ownership is secured. The first series will start the second Friday in January, the medal games to be played on the Friday evenings that alternate with the meeting nights of the Florists' Club.

Following are the scores and averages made last Friday night:

	1st.	2nd.	3d.	Av.
C. W. McKellar.....	143	...	...	143
G. Lange	141	...	...	141
G. Asmus	133	...	...	133
J. S. Wilson.....	142	125	112	129
Jno. Degan	133	132	117	127
P. J. Hauswirth.....	124	130	112	122
W. Kreitling	125	121	112	119
Jas. Hartshorne	113	123	85	107
Ed. Winterson	104	...	...	104
A. Henderson	86	99	...	92
M. Barker	85	...	...	85

After the ten-pin games a party of veterans played some hot games of four-back, the high record of the alleys being first broken with a score of 69 by P. J. Hauswirth, and then again broken by E. F. Winterson with a score of 71. The onlookers went wild with enthusiasm and the proprietor of the alleys did the proper thing under the circumstances.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.
520-535 Caxton Building, Chicago,
334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/2 page, \$13.50 full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.
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A TRADE PAPER'S DUTY TO ITS SUBSCRIBERS.

Under the above caption the American Florist, which is under the full and complete control of J. C. Vaughan, the Chicago seedsman and florist, takes "Two florists' papers" to task for printing commendations of Jadoo. It adds: "We have made diligent inquiry and have failed to find any prominent commercial grower in this country using it to any extent."

Among a host of others we have before us copies of letters written by Dingee & Conard Co., West Grove, Pa.; A. Blanc & Co., Philadelphia; Albert M. Herr, Lancaster, Pa.; Penrock Co., Wilmington, Del., and Siebrecht & Son, New Rochelle, N. Y., in each of which Jadoo is very highly commended. Does the American Florist mean to say that none of the above can be classed as prominent commercial growers?

The whole trouble with the American Florist is that it does not receive any of the advertising which its contemporaries "seem very willing to accept."

It is undoubtedly true that there have been failures with Jadoo, as has always been the case with new things placed on the market, and we do not believe it to be a panacea for all the ills that florists' plants are heir to. But we do believe that it possesses merit and that florists find it valuable when properly used.

When Jadoo was first introduced in this country practically all the experiments were made in pure Jadoo Fibre, but experience has shown that good commercial plants can be grown in a mixture of one-third Jadoo Fibre and two-thirds loam, and that this is probably the most satisfactory as well as least expensive way in which to use it. The fact that hundreds of florists who have used Jadoo speak highly of it is surely entitled to as much consideration as the statements of a few who talk it down, probably for reasons of their own.

But to see the American Florist arrogate to itself the position of Mentor to its contemporaries is really amusing, in view of the fact that it is the only publication in the field controlled by a man who has goods to sell to the trade and novelties to introduce—the Burbank canna, for instance. Enough said!

BOSTON.

Review of the Market.

The week just passed has been an improvement over the preceding one, although business and prices are not yet up to a satisfactory standard, but the approach of the holiday season will probably enliven the market and be the means of making everybody happy. Of staples, there is no scarcity, with perhaps the exception of violets, which up to this time have been rather shy about throwing bloom. Spillsbury's single Princess de Galles and Horrigan's double Lady Campbell are a standard for quality and easily bring \$1.50 per hundred, while an average quality will only run from \$1.00 to \$1.25.

Roses have been quiet and considerable stock remained unsold every day; Brides and Maids running from \$4.00 to \$8.00 per 100; Meteors about the same; Carnots from \$8.00 to \$12.50. Beauties are in fair supply, with demand about equal; prices steady, running from \$1.50 to \$2.00 per dozen. Carnations have been inclined to be druggy all the week, especially for the common run of stock; the asking price has run from \$1.50 to \$2.00 per 100. Fancies are doing better; Flora Hills bring \$3.00; Bradts from \$4.00 to \$6.00.

Chrysanthemums are still in evidence. Kidder Bros. and Pierce are bringing in some very nice ones, including Rleman, Murdock, Maud Dean and Wanamaker, prices averaging about \$2.00 per dozen. There are also

quite a few of inferior quality selling at 75 cents to \$1.00; callas not plenty, \$1.00 to \$1.50 per dozen; valley steady at \$4.00. Harrisils made their first appearance for the season this week, H. N. Eaton, of Sudbury, being the grower; \$2.00 per dozen is the selling price. Bulb stock not very plenty as yet. Paper whites quoted at 35 cents per dozen; Romans at 50 cents per dozen.

News Items.

James Delay & Son are the successful bidders for the flower stand in the new Southern station, and expect to get established by the first of the year. It is reported that there were forty applicants for this privilege.

It is rumored that J. Newman & Sons, of Tremont street, are to open a store in New York early in the new year.

Welch Bros. are making their usual extensive preparations for the holidays, and are headquarters for first-class stock of Christmas Greens. The samples they are showing are fully up to the standard they always aim to carry.

The Co-operative market are introducing the new Washington incandescent system of lighting, kerosene being substituted for electricity, at a great saving of cost, with an increase of light.

The Crowl Fern Co., Good & Waters agents, are occupying a stall in the market, and are making a great push for a share of the holiday trade in green goods.

C. H. Allen, of Floral Park, was a visitor this week. P.

ROCHESTER, N. Y.

Store fronts are now gayly decorated in greenery of every description. The inclement weather prohibits an outdoor display of plants, but the windows are full of them. Pot plants for holiday gifts are coming into favor more and more with every year, though apparently the sales in cut flowers are as large as ever. Of the latter, the supply for Christmas will probably be below the demand if the dull weather conditions should continue. Roses, carnations and violets are very slow in coming on with the cloud covered sky and snowfalls of several inches every day in the week, though up to date no serious deficiency was noticeable and the demand was not below the average for the last two weeks either. Since Thanksgiving prices have slowly but steadily advanced in all lines. A number of weddings and diverse entertainments kept all hands busy and although none of these affairs, with the probable exception of one or two, called for very elaborate or fancy house-decorations, these items always create increased activity in the flower trade.

Mr. Louis Knapper, whose name is familiar in trade circles, has assumed

charge of the large private establishment built up this fall by Mr. R. Sibley in this city. Under his experienced supervision many alterations in the aspect of the grounds have been going on this fall, more are to follow in the spring. A good part of the planting was done in October and November, and would probably have been finished had not the cold weather interrupted operations. The greenhouses are in excellent shape, though it was very late in the season when these were ready to receive the plants. Roses, which were planted in benches some time in September, have made remarkable growth and carnations and violets, some of them housed in November, are blooming as freely now as those in other places where they had an earlier start. The plant houses are filled with a miscellaneous variety; no very tall specimens are wanted here. Mr. K. does not look favorably on height, but prefers short, stocky individuals. He goes in for diameter and allows his plants plenty of room to spread out; no drawn up, weak stems are seen anywhere on the place. K.

ST. LOUIS.

Club Meeting.

The meeting of the Florists' Club was held Thursday afternoon at 3 o'clock with only about 17 members present. The exhibition committee read their report, which brought out quite a discussion as to how to pay our losses. It was finally settled that all prizes offered by the club would not be paid, all special prizes paid at a rate of 70 per cent and Shaw prizes paid in full. The committee was then instructed to pay out what money they had on hand and the balance to be paid just as soon as it comes in from parties offering the prizes.

Mr. Otto Koenig was elected to membership. It was decided that the club give an entertainment the third week of January, the proceeds, if any, to go toward paying the club prizes. The president appointed a committee of five to look after the details, consisting of Fred C. Weber, John Young, J. W. Kunz, J. J. Beneke and Robt. Ayers.

The question box was then opened. "Do Flower Shows Hurt the Retail Trade" brought out the most discussion and wound up by the president instructing Mr. John Young to read an essay on this question at the next regular meeting of the club.

W. E. Jordan and J. W. Kunz were appointed a committee to draft resolutions on the death of Christopher Young.

The meeting then adjourned until January 12, 1899, at 3 o'clock p. m.

The Market.

The cut flower market remains about the same, flowers of all kinds plentiful and stock selling very low. First-class

roses bring from \$4 to \$5, seconds \$1.50 and \$2, and in large lots at \$10 per 1,000. Good long Beauties are scarce at 35 cents each, but short stemmed stock plentiful, the bulk going at not over 3 cents, though some will run to 5 cents. Carnations are good and plenty, and the price holds up at \$1.50 for fair stock, fancy bringing \$2 and \$2.50.

California violets have gone up to \$1, small singles 35 cents, with doubles at 75 cents to \$1 per hundred and plenty of them just now. Good valley holds up to \$5, but considerable is sold at \$4. Romans are not yet plentiful. As usual at this season they bring from \$1.50 to \$4. Paper whites are piling up with very little sale at \$3. Harrisii are still out of the market, but some good callas can be had at \$10. Smilax and asparagus are selling more freely this season than at any previous time.

Christmas greens are scarce this year. Those who placed their orders ahead are in great glee and those who have to buy now are paying at the rate of \$10 per 100 lbs. Heavy orders are reported for all kinds of Christmas greens.

The fakir is having a hard time just now, with plenty of stock in the commission houses. They can't stand on the street corners, it's too cold and their stock freezes. Should the cold weather continue, with green stuff scarce, the fakir will have a hard row to hoe in St. Louis.

Notes.

Mrs. Ayers whose plants were all frozen that were shipped from W. K. Harris and Joseph Heacock wishes to state that both these gentlemen made good the loss by sending duplicate orders, which came in first-class shape. Mrs. A. is very grateful to both firms for the prompt attention paid to the matter.

R. F. Tesson, the genial correspondent of the American Florist, has been quite sick the past week and from last reports was improving, but not able to attend to business.

The condition of J. M. Jordan is still unchanged. Mr. Jordan was taken to his bed some two months ago, and has not been able to leave it since.

The bowling club had a good attendance Monday night and rolled five games. Kunz, Tesson and Finlason are not well enough to roll, but by New Year's every member will be back to his post. Following are the scores:

	1	2	3	4	5	Tot.	Av.
J. J. Beneke.....	168	165	184	152	189	858	175
Carl Beyer	169	143	157	130	...	599	149
Emil Schray	128	112	144	142	150	676	135
C. A. Kuehn.....	135	106	158	141	121	664	132
F. C. Weber.....	125	129	121	137	...	532	133
C. C. Sanders.....	138	129	118	132	141	658	131
F. J. Fillmore....	120	114	147	108	122	611	122

J. J. B.

NEW YORK.

On Dec. 2 Mrs. Jennie Thorley was ordered by a jury in the Supreme Court to render an account to W. A.

Bridgeman, who sued her for \$30,000. He testified that in October, 1889, he entered into an agreement with Mrs. Thorley, as the agent of her husband, by which he was to have a one-eighth interest in the business. He said that in this way \$50,000 became due him between that time and February, 1896. He admitted that he had received from time to time \$20,000.

Assuming these figures to be correct the total profits of Mr. Thorley's business were in excess of \$50,000 a year for seven years. Not a bad showing, even for a leading New York florist.

CINCINNATI.

Exhibition.

The carnation meeting of December 10th, held at the club rooms of the Florists' Society, was not up to the former shows, especially in standard varieties. Several good entries were made in the seedling classes, prominent among them were the following: J. M. Gasser, Cleveland, O., with a pink, flower medium size, color about the same as Grace Wilder; the flowers arrived in poor condition.

F. Dorner & Sons, La Fayette, Ind., showed Gen. Maceo, a very dark crimson variety, beautiful rich color, but with us a hard one to sell. Their vase of G. H. Crane, a bright red, was excellent, and will no doubt be a valuable variety. The flower is large, well formed, stem strong and clean, and the color all that can be desired.

E. G. Hill & Co. showed in the seedling class a vase of America. This will be a rival to G. H. Crane; some of the craft seem to think the latter the better, while others are more impressed with the former.

Weber & Son, Oakland, Md., showed a seedling, No. 38-96, flower very large, color shell pink, growth and foliage strong and robust.

Peter Fisher, Ellis, Mass., sent a vase of his Mrs. Thos. Lawson, a beautiful deep pink, which was greatly admired.

R. Witterstaetter had a collection of seedlings, and among them were several promising ones. No. 557 was the largest pink on exhibition, but rather short in the stem. His 547A was a bright scarlet flower, fringed and very fragrant. These two will be heard from later.

Wm. Murphy had on exhibition some of his money-making varieties, such as Armazindy, Gold Nugget, Portia and several others. Thos. Windram showed Mrs. Geo. Bradt, Flora Hill, Daybreak, Evelina, Victor and Bridesmaid.

George & Allen, our enterprising young hustlers, showed up well, filling one of the center tables. Their collection comprised in carnations Bradt, Scott, Flora Hill and Armazindy, and captured the \$5.00 prize offered by Wm. Murphy for the best 100 standard blooms. In roses they showed Perles,

Morgans, Brides, Bridesmaids, Beauties and Meteors. They also received the \$5.00 prize offered by Geo. S. Bartlett for the best twelve Beauties. In bulbous stock they had valley, callas, Harrisii, Romans and narcissus.

Hoffmeister Flo. Co. showed a vase of their new rose, Miss Clara Barton, which deserved much praise; in color like a deep Bridesmaid; form of flower resembles the Morgan.

In the evening the regular monthly meeting was held, with President Witterstaetter presiding. The society is now in a prosperous condition, five new members were elected, and officers for the ensuing year were nominated. The election will be held at the meeting in January and all members are requested to be present.

Business Conditions.

Business about town is rather slow for this season of the year. Roses have been a glut for ten days and even carnations, scarce as they are, have not sold so well as usual. Shipping trade is fair, but not brisk enough to consume the stock coming in.

There is a cut rate war between the over-the-Rhine florists, especially in holly, laurel, etc. Several branch stores have been opened and the public is getting the benefit of the reduced prices. They are selling roses at 50 cents per dozen, and one of them declares that he will continue to do so throughout the holiday season. If some of our Fourth street florists would take a walk up Vine and read the catchy signs reaching to the sixth floor of Fred Gears' annex they would get a few pointers how to freeze out their competitors. B.

LOUIS MENAND.

We have received from our old friend Louis Menand, of Albany, N. Y., a copy of a new edition of his autobiography and recollections. To us everything from the pen of Mr. Menand is intensely interesting, and we believe he is doing history a great service in putting permanently on record the many very interesting incidents of his long career. The veteran is now 91 years of age and is still hale and hearty. The passing of the years has not dimmed his interest in the profession he has loved and practiced all his long life, and though already far beyond the allotted "three-score and ten" we shall be surprised if the new century does not find him ready to take a fresh start and keep pace with the youngest of us. That he may do so is the wish of his many friends, both old and young.

COUNCIL BLUFFS, IA.—Edw. Williams, the employe of Frey & Kastner, who was badly scalded at the time of the boiler accident which resulted in the death of Mr. H. Frey, is improving and his physician says there is now no doubt that the sight of the injured eye will be saved.

The Right Cypress for Greenhouse Material.

Have you heard of Cypress Greenhouse Material that has not been satisfactory? If you have it does not follow that Cypress is not the best lumber to use. There is White Cypress, Yellow Cypress and Red Cypress; there is Cypress that grows on the high lands and Cypress that grows in the swamps.

All of these different kinds are not suitable for greenhouse purposes. Do you know which kind is best and do you know that kind when you see it? If not you would better buy from those that do know and will deliver exactly what they sell. We introduced Cypress for greenhouse construction and pushed it to the front. We know all about it. For fifteen years we have made a specialty of furnishing it, and during this time we have built up a reputation that we can not afford to jeopardize. We send out the best only.

Write for Circulars
or Estimates.

Lockland Lumber Co.

LOCKLAND, OHIO.

Mention Florists' Review when you write.

SCRANTON, PA.—Mrs. Maggie Robertson-Muir, has entered into partnership with Mr. I. G. Marvin, of Wilkesbarre, and the firm of Marvin & Muir will open a finely fitted up floral store at the corner of Washington Ave. and Spruce street.

POWER OF ELOQUENCE.

A Dakota lawyer was recently arrested for stealing wood, but such was the power of his eloquence that he made the jury believe that he was only walking in his sleep and thought that he was placing flowers on the grave of his first wife.—New York World.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

FOR SALE—A handsome Florist's Ice Box, with glass front and sides; used but a short time. Will be sold at a bargain. For full particulars address Roemer Drug Co., Milwaukee, Wis.

WANTED—Good second hand Hot Water Boiler. Heating capacity 1200 to 1400 running feet of four-inch greenhouse pipe. Jos. Labo, Joliet, Ill.

WANTED—Good man to take charge of carnation houses and to do general propagation. Address Wietor Bros., 51 Wabash Avenue, Chicago.

WANTED—Young man as assistant in store and greenhouses. Address H. F. Halle, 548 West Madison Street, Chicago.

WANTED—First class young man in cut-flower store in a large western city; must be up to date in design and decorative work. Address X, Y, Z, care Florists' Review.

SITUATION WANTED—By good all 'round grower; single, 30 years old; best of references. Address K. L., care Florists' Review.

PARTNER WANTED—A man with some knowledge of greenhouse management, with \$2,000 or \$3,000 capital. A good opening for the right party. Address R., care Florists' Review.

WANTED—A lady thoroughly posted in retail cut-flower business to buy part interest in well established place. For particulars, address Box 28, Baker City, Oregon.

SITUATION WANTED—As working foreman or grower, by a thoroughly experienced florist, in a place where first class stock is called for; age 32, single, strictly sober and good references; at liberty after Christmas. Address Grower, care of Florists' Review.

WANTED—A good all 'round florist, must be good on design work, sober and honest. Will pay \$50 per month for right man. Address H., Florists' Review.

WANTED—A man to take charge of a section of rose houses; call at 51 Wabash Ave., Chicago.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

FOR RENT OR SALE—First class retail stand. 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

FOR SALE. A well established and paying FLORIST BUSINESS, with ten to thirty acres. 17,000 square feet of glass. Good residence and houses for help; everything in first class condition. Abundance of water. Situated near one of the largest cities in California. Ill health and a desire to retire from business cause for selling.

For full particulars and price, address Lock Box 720, - LOS ANGELES, CAL.

Mention The Review when you write.

FOR SALE OR RENT

Complete cut flower and plant establishment. Only one in city of 20,000 inhabitants. An old established trade. In first-class running order. Bonanza for a good man. For full particulars address

WM. F. KASTING & CO.,
444 Sixth Avenue. Pittsburgh, Pa.
Mention The Review when you write.

Must be Sold Quick!

On account of going to Europe, an old established Florist business. 10,000 square feet of glass. Stock in fine condition. Carnations, Violets, Roses, Smilax and Freesias. Heated by steam; city water; 12 miles from New York, in New Jersey; good retail trade; near three cemeteries.

No reasonable offer rejected.

Address K. P. W.,
care of Florists' Review

Always Mention the....

Florists' Review

When Writing Advertisers.

Christmas Price List.

Taking Effect, Monday, December 19th.

ROSES.

Am. Beauties, long, per doz.....\$12.00—\$15.00
 " medium, per doz.. 6.00— 9.00
 " short. 3.00— 5.00
We will have a fair supply of finest quality.

Meteors, Maids, Brides and Kaiserin,
 per 100, \$15.00—\$18.00
 Perles..... 12.00— 15.00
 Roses, seconds, average. " 8.0— 12.00
 We offer some extra select Brides, Kaiserin
 and Maids, quantity limited, per 100.. \$25.00

CARNATIONS

Are Our Specialty.

Fancy varieties, fancily grown,
 per 100.....\$6.00—\$8.00
 Ordinary varieties, fancily grown,
 per 100..... 4.00— 5.00
 Ordinary varieties, average stock,
 per 100..... 8.00— 4.00

**We will have the largest quantity
 and best assortment of strictly
 first class stock on the market.**

WE WILL HAVE the Stock you
 want and the disposition and
 ability to treat you fairly and well.

We solicit your orders.

Miscellaneous.

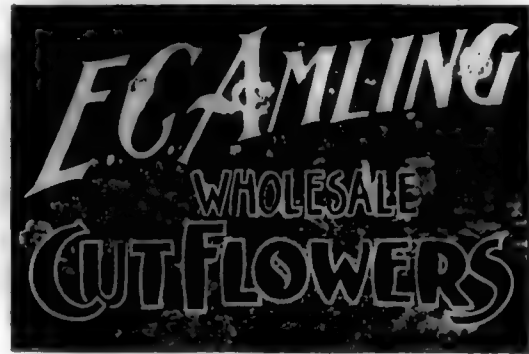
Alyssum.....per 100, \$.50
 Marguerites " 1.00—\$1.50
 Callasper doz., 2.00— 2.50
 Harrisii " 2.50— 3.00
 Romansper 100, 3.00— 4.00
 Narcissus " 3.00— 4.00
 Stevia, very fine " 1.50
 Valley " 5.00— 6.00
 Violets " 2.00— 2.50

All other flowers in season at lowest
 market rates.

Above quotations are subject to
 change without notice.

P. and D. at cost.

Store open from 7:00 A. M., until
 9.00 P. M., December 19th to 24th,
 inclusive. Christmas—closed at Noon.



Decorative.

ASPARAGUS.

Per string.....\$.75

FERNS.

Per 100, 20cper 1,000, \$1.50
 Original cases, 4,000 to 6,000..... 1.25
 Maiden Hair.....per 100, \$1.00— 1.50

GALAX.

Bronze and Green, per 100, 15cper 1,000, \$1.00
 Original cases, 10,000......75

SMILAX.

Common, very fineper doz., \$1.50—\$2.00
 Wild, Parlor Brand case..... 3.75
 " Medium case 5.50
 " Large case 8.00

E. C. AMLING,

W. S. HEFFRON,
 Manager.

51 Wabash Ave., CHICAGO.

Mention The Review when you write.

Decorative Stock, Palms and Ferns

Per doz.
 Latania Borbonica, 4-in.....\$3.00
 " " 4½-in..... 4.00
 " " 6-in..... 9.00
 Kentias, 4 to 5-in.....\$5.00 to 6.00
 Phoenix Reclinata, 5-in..... 5.00
 " Canariensis, 5-in..... 5.00
 Seaforthia Elegans, 5-in., 50c each..... 5.00
 " 6-in., 75c "..... 7.00
 Oreodoxa Regia, 4-in., 45c "..... 5.00
 Cham. Humilis..... 5.00
 Ficus Elastica, 4-in., 40c each..... 4.50
 Cycas Revoluta, 4-in., 25c each..... 1.00
 Asparagus P. Nanus, 3-in., 10c each..... 1.50
 " 4-in., 15c "..... 1.50
 Sword Ferns, 3-in., 50c per doz.; 4-in..... 1.00
 Ad. Cuneatum, 3-in., per 100, \$5.00..... .75
 " 4-in..... 1.00
 Selaginellas, E. and Martensii, 3-in., 8c each..... .75
 Cyperus Alt. 4-in., \$3.00 per 100.

Send for List of Florists' Supplies.
WILLIAMS & SONS CO., Batavia, Ill.
 Mention The Review when you write.

The Cottage Gardens,

C. W. WARD,
 Manager. QUEENS, L. I.

WHOLESALE GROWERS.

FLORISTS' SPECIALTIES.

Mention The Review when you write.

Brilliant Green and Bronze

Galax Leaves

CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.
 Mention The Review when you write.

DO NOT FORGET

That we are the Headquarters for Western Penna.

It will pay you to write for our

CHRISTMAS PRICE LIST OF CUT FLOWERS.

WM. F. KASTING & CO., 444 6th Ave., Pittsburg, Pa.

JUST RECEIVED FROM JAPAN in fine condition:

LILIUM SPECIOSUM ALBUM, extra size, at\$100.00 per 1,000
 RUBRUM 60.00
 " MELPOMENE, extra size, at..... 100.00
 LILIUM AURATUM, 7 to 9 inches, at..... 80.00
 " 9 to 11 "..... 50.00

We have still left
 a few thousand of our **WHITE ROMAN HYACINTHS,** 12 to 15 centimetres, which
 we offer to first comer at **\$10.00** per 1,000

J. M. THORBURN & CO., 36 Cortlandt St., NEW YORK.

Mention Florists' Review when you write.

Areca Lutescens,

COCOS WEDDELIANA,

KENTIA BELMOREANA,

LATANIA BORONICA,

FOR PRICES AND SIZES

See Florists' Review, November 17th, page 660.

JOSEPH HEACOCK, Wyncote, Pa.

Mention Florists' Review when you write.

Get your order for **ROSES, CAR-**
NATIONS, PAPER WHITES,
and
ROMANS **CHRISTMAS**
for..... **in early to**

Geo. A. Kuhl, Pekin, Ill.

Mention The Review when you write.

ORCHIDS....

We are headquarters for imported and
 established Orchids of the finest quality. Also a
 complete line of material for Orchid culture.

Lager & Hurrell, Growers and Summit, N. J.

Mention Florists' Review when you write.

OUR SPECIALTY!

**Rooted Cuttings of
 New Varieties of Carnations.**

Special prices to those who issue lists or buy to sell
 again. Let us know what you are going to need.

GEO. HANCOCK & SON, Grand Haven, Mich.

Mention The Review when you write.

CARNATIONS

ROMAN HYACINTHS

CARNATION

KENNICOTT BROS.

Do Your Xmas

IN MAKING YOUR HOLIDAY SELECTIONS

You certainly should not overlook superior accommodations—the larger stocks—the better assortments. ❀ ❀ ❀

We doubt if our price-advantages, **quality considered**, are equaled in America. The facts are indisputable—easiest to trade in a store where stocks are complete—**THE LARGEST STORE IN CHICAGO.** ❀ ❀ ❀ ❀ ❀

To the Retail Florists

Of Chicago and Neighboring Cities:



PLACE YOUR ORDERS AT ONCE

As Orders Are Filled in Rotation.

**This Year's Customers
Must Be Ours Next Year**

The Values We

CARNATIONS

ROSES

SMILAX

ASPAR

V
I
O
L
E
T
S

VIOLETS

CARNATIONS

ROSES

FERNS

ONS

COMMON FERNS

VALLEY

VIOLETS

CO., CHICAGO, ILL.

Buying Now!!

ROSES

CARNATIONS

FERNS

NARCISSUS

What Chicago Florists Talk About

Following are a few of our **RECORD'S!** Old Sayings:

"If you are stuck and want anything, go to K. Bros. Co."

"If they have not got it, you are sure it is not to be had."

The consignments of the celebrated highest-class growers keep us in the front, and we are still growing **LARGER EACH YEAR.**

**IF YOU HAVE ANY SURPLUS
SEND IT TO US.**

Mention
The Review
when you write.

e Give Are Our Best Advertisements

RAGUS

ADIAN TUM

SMILAX

VIOLETS

TELEGRAPH CODE.

In telegraphing orders to any of the wholesale dealers in cut flowers use the following code:

Assume—Do not answer if cannot fill order.
Abrogate—In case you cannot fill order, telegraph at once.
Anticipate—Answer at once, stating whether you can or cannot fill order.
Ambition—If you can only partially fill order, do so, and reply, stating what.
Admiral—Order must be sent on train mentioned only.
Ambulance—Want all of order filled or none, and prompt answer back.
Adjacent—If cannot send on train mentioned, next one will do.
Affable—Send prepaid by baggage master, if no express messenger on train.
Decorate—If cannot send all on train mentioned, send all you can, and send balance on next train.
Admission—This order is a substitute for my regular order.
Dancing—If cannot fill order exactly as specified, you may substitute according to your best judgment.
Ancestor—This order is an addition to my regular order.
Durable—Colored flowers must not be substituted for white.
Affection—Fill if possible, even at extra expense.
Fabricate—Flowers ordered are to be re-shipped to a distance, therefore buds must be cut specially close.
Fortunate—Select extra stock and charge accordingly.
Devotion—For cheap work, and can use second-class flowers, if at reduced price.
Flattery—If price has advanced since last quotation, do not send goods, but telegraph.
Forgery—This order countermands all previous orders.
Formation—Add these items to the order which you already have, but in case first order is already shipped, cancel this addition.
Flamingo—We are in a bad pinch; send us something to help us out, even if of poor quality.
Flocking—Have sent mail order; if not yet received, send following at once, and cancel mail order when received.
Foraging—This order includes all items previously ordered and wanted for this date.
Superior—Can use something especially fine, and am willing to pay accordingly.
Skip—If you are out, buy the best you can; we accept risk of getting "pickled" stock.
Corporal—If cannot send on night train, morning train will do.

**THE CODE BELOW WILL BE USED
IN ANSWERING YOU, WHEN
NECESSARY.**

Elope—Cannot fill your order to-day. Stock is scarce. Have tried to buy at other houses for you.
Lecture—Our store was closed yesterday when your telegram came. Received it this morning. Will ship by first train to-day, unless countermanded at once.
Willing—Cannot ship on train mentioned. Will send on next train possible to-day.
Eclipse—Will send part of your order. Balance scarce. Cannot get it at any price to-day.
Artistic—Cannot fill order to-day, if you want order filled (same order) to-morrow, wire us at once.
Favorite—Stock very poor, none better to be had. Will ship unless countermanded by..... o'clock.
Fundament—Stock named in this telegram has been sent, and balance, unless countermanded by telegram, will be sent on.....

KEEP THE DEALERS POSTED.

Keep the dealer from whom you order flowers fully posted as to the sort of stock for which you have the largest sale. Write him as fully as possible when you have time to devote to the matter. Keep him fully advised as to the needs of your trade. He will then know much better how to fill your telegraphic orders. He will know whether to send you the best in the market at the top price or to send you a fair grade at a more moderate price. The dealer is anxious to please you but often his information is meagre. Make this information as full as possible by mail and your telegraphic orders will be filled more to your satisfaction.

REINBERG BROS.

600,000
FEET
OF
GLASS.

Wholesale
Growers of

Cut Flowers

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.
51 Wabash Ave., CHICAGO

Mention The Review when you write.

Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of **CUT FLOWERS**
and Dealers in

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.



Our prices are as low as any
and our stock superior.
We ask for a trial order.

Mention The Review when you write.

A. L. RANDALL
Telephone 1496 Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better prepared than ever to handle your orders.
Mention The Review when you write.

Full Line of Wire Designs and Florists' Supplies
S. B. WINTER
Successor to Winter & Glover

Write for Illustrated Catalogue.

21 Randolph St. CHICAGO.

HIGH GRADE Cut Flowers

Properly Packed and Promptly Forwarded.

Mention The Review when you write.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.
Mention The Review when you write.

CHRISTMAS PRICE LIST.

Taking Effect Dec. 19.

AMERICAN BEAUTY

Extra long stem... per doz. \$12.00
24-inch stem..... " 9.00
20 " " " 7.50
15 " " " 5.00
12 " " " 3.50
8 " " " 2.00

METEOR..... per 100, 15.00 to \$18.00
BRIDESMAID..... " 15.00 to 18.00
BRIDE..... " 15.00 to 18.00
KAISERIN..... " 12.00 to 15.00
PERLE..... " 8.00 to 12.00
CARNATIONS..... " 4.00 to 5.00
 " fancy " 6.00

All other stock at lowest market prices.
No charge for packing.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.
Mention Florists' Review when you write.



**ST. LOUIS
Cut Flower Co.**
Wholesale Florists,
1322 Pine St.,
ST. LOUIS, MO.

Mention The Review when you write.

ELLISON & TESSON,

WHOLESALE SHIPPING

FLORISTS

3134 Olive Street, ST. LOUIS, MO.
...Home Grown Stock...
Mention The Review when you write.

C. W. WORS,

2740 Olive Street, - - ST. LOUIS, MO.

Flowers at Wholesale

ROSES, and a full line.

Headquarters for the Southwest.

F. F. BENTHEY, MANAGER.

BENTHEY & CO.,

Wholesale and Commission

FLORISTS,

41 Randolph Street, CHICAGO.

Consignments solicited.

Mention Florists' Review when you write.

Always Mention the...

Florists' Review

When Writing Advertisers.

BASSETT & WASHBURN

Our Specialties for Christmas.

Am. Beauties.

Ours are the finest in the market but very scarce.

Tea Roses.

Brides, Bridesmaids, Perles and Meteors.
No finer stock can be had. They are carefully graded and our cut is second to none.

Fancy Carnations.

Such as Bradt, Gold Nugget, Mary Wood, Flora Hill, White Cloud, Psyche, Jubilee and others. We have 30,000 plants of these to pick flowers from, but send your order early as they go fast.

Lily of the Valley.

From the finest cold storage pips, thus giving plenty of deep green foliage. Price \$4.00 per 100.

Fancy Migonette.

We shall have a very fine lot of giant Migonette, the flower spikes are three times as long as the common varieties. This is cut fresh the same day of shipment and retains its delightful fragrance a long time.

Smilax.

Our new house of Smilax is now ready for market. The strings are six to seven feet long and extra heavy, the foliage being the finest we ever saw. Price only \$1.50 per dozen.

Asparagus.

This is in fine shape. We have extra long and heavy strings, suitable for exhibition purposes anywhere, and where a very fine decoration is wanted they cannot be excelled. Prices for extra long, 75c to \$1.00; medium, 50c.

Adiantum.

Long, fine, \$1.00 per 100.

ROMANS AND PAPER WHITES in large quantities.

Buy your flowers direct from the grower, you get a better average grade of flowers, more even in every way and more carefully handled. Our facilities are the best in the West for packing and taking care of the flowers. No crowding or bruising of the stock. Orders will be shipped direct from the greenhouse wherever practicable.

Bassett & Washburn

GREENHOUSES, HINSDALE, ILL.

Store, 88 Wabash Avenue, - - CHICAGO, ILL.

DES MOINES, IA.

The annual meeting of Des Moines Florists' Club was held Dec. 9 at J. F. Marshall's, and officers for the ensuing year elected as follows: Peter Lambert, president; J. F. Marshall, vice president; J. T. D. Fulmer, secretary and treasurer. Some of the craft have started the plan of visiting each other's greenhouses. Lambert, Marshall and Fulmer made a partial round of the trade last week, and found some houses doing well, others not so well, and still others poorly. Morris has some fine roses, but his carnations are not so good as should be at this season of the year. He also has a fine lot of cinerarias.

Lambert's place is not at its best, he being somewhat behind on account of building one new smilax house, one propagating house, a new boiler room and potting shed.

At Mr. Anderson's place we found his carnations looking only tolerable, and his roses are decidedly off crop.

Marshall's carnations are A No. 1 and a credit to the place. He has as fine a lot of Gold Finch as one could wish to see. One center bed of Portias that were planted from the field September, 1897, did well last winter and fair all summer. This fall Mr. M. was undecided about taking them out, but finally concluded to run them on. I suspect some of our good carnation growers will say all bosh, but wait and hear the story through. From Oct. 1, 1898, to May 1 next he will cut thirty blooms per plant, and as fine blooms as can be produced on Portia plants.

I hear today that one of our florists will let the water out of the boiler this afternoon and let the houses freeze, because they will not pay coal bills and night fireman and leave a margin for owner.

J. T. D. F.

GRAND RAPIDS, MICH.

Beginning two days previous to Thanksgiving, we have had one solid block of cloudy, cold weather relieved by about five hours of sunshine today, and how we all yearn for just about one week of such weather to help along the tardy buds for Christmas. Flowers of all kinds will be scarce. Carnations in particular will be more scarce than last Christmas, if indications hold good, and as for green, laurel, bouquet green and holly, the supply promises to be totally inadequate.

Mums are practically all gone, unless at Smith's, who has a batch of late Lincolns which promise to be fine and sell this year. Roses promise to be in the best demand and supply. Prices hold firm, growers reluctant to part with stock, holding it back as long as they can, to get as near to advanced prices as possible before unloading.

Crabb & Hunter will have a fine batch of Harrisil as pot plants; also a



REGULAR SHIPPING ORDERS RECEIVE
SPECIAL ATTENTION.

WHOLESALE GROWERS OF Cut Flowers

We Are Headquarters for...

AMERICAN BEAUTIES,

of which we cut from 2,000 to 3,000 daily. Our Brides, Meteors, Maids and Perles were never better.

OF CARNATIONS

we grow 50,000 plants of all the leading varieties, and they cannot be surpassed.

CHRISTMAS PRICE LIST.

Taking Effect Dec. 19.

Am. Beauty, extra long stem, per doz.	\$12.00
" 24-in. stem	9.00
" 20-in. "	7.50
" 15-in. "	5.10
" 12-in. "	3.50
" 8-in. "	2.00
Meteor	per 100, \$15.00 to \$18.00
Bridesmaid	" 15.00 to 18.00
Bride	" 15.00 to 18.00
Kaiserin	" 12.00 to 15.00
Perle	" 8.00 to 12.00
Carnations	" 4.00 to 5.00
" fancy	" 6.00

All other stock at lowest market prices.
No charge for packing.

Mention The Review when you write.

...KELSEY'S BRILLIANT SOUTHERN...

GALAX LEAVES and LEUCOTHOE SPRAYS FOR CHRISTMAS AND THE HOLIDAYS.



Galax Leaf.
Much reduced.

Introduced by Harlan P. Kelsey.

Nothing Else will Take Their Place.

Can be had of all leading wholesale florists who are supplied by me, or write or wire me direct. Be sure to ask if they are KELSEY'S, and so get the finest colored and firmest Leaves. Used out of original cases—no rehandling.

For all the finest floral decorations. Nothing equals Galax for wreaths, crosses and all funeral designs, as they remain perfectly fresh outside without care.

Use the small green leaves with violets. No hinge else so cheap, lasting, beautiful and easily handled. Remember the long, wiry stems.

In early December and during the winter I will have a large supply in Boston direct from my Highlands Nursery in the Carolina mountains placed in Cold Storage, packed in original cases as below, and can ship promptly from Boston on order by mail or wire. I reserve right to ship from either Boston or N. C., unless ordered to contrary.

PRICES: GALAX, large or small, either color, per 1000, \$1.25; 5000 or more at \$1.00 per M. Terms Cash.

LEUCOTHOE SPRAYS, per 100, \$1.00; per 1000, \$8.00.

Case A—5,000 Galax, assorted sizes and colors. Case E—5,000 Galax, small Bronze
Case B—Same as A, with 200 Sprays. Case H—5,000 Galax, large Green
Case C—10,000 Galax, assorted sizes and colors. Case I—5,000 Galax, small Green
Case D—5,000 Galax, large Bronze. Case L—500 Leucothoe Sprays

Order cases by letter or larger quantities by thousands.

Cases A (\$5) and B (\$7) are very popular. Try one or more for sample.

Large orders may be shipped by freight at a great saving if time permits, direct from my Highlands Nursery. Be explicit in shipping directions, or my best discretion is used. Telegraph orders save time. Large orders may be shipped direct from my Highlands Nursery.

Address Telegrams and Letters to the Introducer,

Long Distance Telephone.

HARLAN P. KELSEY,

Proprietor Highlands Nursery in North Carolina.

1106 Tremont Bldg., BOSTON, MASS.

Orders should be placed now for Xmas. Ask for Samples.

Mention The Review when you write.

100,000 VERBENAS, THE CHOICEST VARIETIES IN CULTIVATION....

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

No Rust or Mildew.
Packed Light and
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention The Review when you write.

heavy crop of paper whites for shipping. Smith also has a few Harrisil, and well stocked in other lines.

Am. Beauties are in limited supply. The principal blooming plants are azaleas and primroses.

GEO. F. CRABB.

CANTON, ILL.

Balthasar Jacobs, the veteran florist and gardener, died Dec. 6, aged 71

years. He had been falling in health since he was stricken with paralysis a year ago last July.

Mr. Jacobs was born in Ensheim, Germany. He emigrated to America in 1850, and thirty years ago came to Canton and started his business as florist and gardener, which he has conducted ever since.

A widow and five children survive him, and the business will be continued by Mrs. Jacobs and sons.

Vaughan, McKellar & Winterson

CHRISTMAS PRICES

TAKING EFFECT DEC. 19.

CUT FLOWERS.

ROSES.

Brides, Maids, Meteor...	per 100,	10.00 to 15.00
Kaiserin, La France...	"	10.00 to 15.00
Perle	"	8.00 to 10.00
Roses, our selection....	"	8.00 to 10.00

CARNATIONS.

Fancy Stock.....	per 100,	\$4.00 to \$5.00
Ordinary Stock.....	"	3.00 to 4.00

CHRYSANTHEMUMS.

Fancy Varieties.....	per 100,	\$15.00 to \$25.00
Medium Stock	"	8.00 to 12.00
Common Stock.....	"	4.00 to 6.00

MISCELLANEOUS STOCK.

Violets.....	per 100,	1.50 to 2.50
Valley.....	"	4.00 to 6.00
Narcissus	"	4.00 to 6.00
Romans	"	4.00 to 5.00
Callas	"	18.00 to 20.00
Harrisii	"	20.00 to 25.00
Bouvardia.....	"	2.00 to 3.00

Above prices subject to change without notice.
GIVE US YOUR XMAS ORDER EARLY.

SPECIAL.

Poinsettias, good	per doz.,	\$3.00
select.....	"	4.00
extra	"	5.00

Decorative Stock.

Wild Smilax, parlor brand	\$3.75
medium case.....	5.50
large case.....	8.00
Asparagus Plumosus.....	per doz. \$3.00 to 8.00
string .....	.50 to 1.00
Smilax	per doz., 1.50 to 2.00
Adiantum Ferns.....	per 100, .75 to 1.00
Common	per 100, .15
Galax Leaves.....	per 1,000, 1.50
Farleyense Fronds	per doz., 1.00

We carry a good stock of above always on hand and can fill orders promptly.

Cyclamen Plants.

Good assortment colors, well flowered.
Positively none better.
Shipped direct from Greenhouses by express only.
1,000 5-inch pots.....per 100, \$25.00
500 6 " " " " 50.00

XMAS STOCK.

ORDER NOW and secure your supply early.

Holly and Green.

We will meet the quotations of any
reputable Western House.

We have fresh goods of the following and are
ready to fill your orders:

CAPE FLOWERS,
IMMORTElLES,
PAMPAS PLUMES,
FAIRY FLOWERS,
SHEET MOSS,
SPHAGNUM MOSS,

VASES, RIBBONS,
WHEAT SHEAVES, DOVES,
TIN FOIL, TOOTHPICKS,
BASKETS, BOUQUET PINS,
VIOLET TIN FOIL, CHENILLE.

Rattan and Wire Rings for Holly Wreaths

Store open from 7:00 A. M. to 7:00 P. M.
Sundays and Holidays, 7:00 A. M. to Noon.
All orders packed with the greatest of care
and shipped on time.

VAUGHAN, MCKELLAR & WINTERSON,

Tel. Main 1129.

45-47-49 Wabash Avenue, CHICAGO.

Mention The Review when you write.

Cincinnati Cut Flower Co.

W. A. MANN.
FRANK W. BALL.416 Walnut St. Wholesale Florists
CINCINNATI, O.

Consignments Solicited.
Special Attention Given to Shipping Orders.
Mention Florists' Review when you write.



WHOLESALE FLORIST,

11 West 12th Street, Cincinnati, O.
CUT FLOWERS. - FLORISTS' SUPPLIES.

CONSIGNMENTS SOLICITED.

Mention The Review when you write.

...LOUISVILLE...

Florists' Supply and Exchange

Wholesale Florists and
dealers in Florists' Supplies

Special facilities for shipping south. Unequaled
returns for good stock. Open night and day.

520 W. Jefferson St., Louisville, Ky.
Mention The Review when you write.

Maplewood Cut Flower and Plant Co.

GEO. M. KELLOGG, Pres.

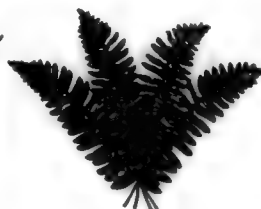
Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We
have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.



FANCY



DAGGER

HARDY FERNS.

WARRANTED FIRST QUALITY.

Special attention paid to supplying Whole-
sale Dealers. Write for prices.

ALSO DEALER IN

BOUQUET GREEN, SPHAGNUM MOSS, CHRISTMAS TREES, Etc.

L. B. BRAGUE, Hinsdale, Mass.

Oldest, largest and most reliable dealer in the United States.

Mention The Review when you write.

HOLTON & HUNKEL Co.

Wholesale Florists
And Florists' Supplies.

Phone 874. WIRE DESIGNS—OUR OWN MAKE

457 Milwaukee St.

P. O. Box, 103. Milwaukee, Wis.

Mention The Review when you write.

BINGHAMPTON, N. Y.

Fire, caused presumably by tramps,
did considerable damage to the houses
of Mrs. M. L. Barnes, on the morning
of Nov. 23d, consuming the boiler shed
and scorching about 1,500 chrysanth
plants and a quantity of cut blooms
stored for Thanksgiving orders; un-
fortunately the houses were not in-
sured.

W. M.

ANTON SCHULTHEIS, P. O. Box
78...
College Point, Queens Borough, N. Y.

HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity

Come, see Ericas (Heather), also Full
and con- Line of Other Flowering Plants
vince yourself. Price List on Application.

Mention Florists' Review when you write.

NEPHROLEPIS Pine, Strong,
CORDATA 3½ inch plants,
COMPACTA. 4-inch plants,
\$7.50 per 100.
\$15.00 per 100.
Cash with order.

H. HILMERS,

Box 650. BLUE ISLAND, ILL.

Mention The Review when you write.

SAMUEL S. PENNOCK, WHOLESALE FLORIST

OPEN DAY AND NIGHT—From 12 A. M., Mondays to 10 P. M., Saturdays.

A constant supply of **SELECT VALLEY** the year round. **1612-14-16-18 Ludlow St., Philadelphia, Pa.**
AMERICAN BEAUTIES OUR SPECIALTY.

Mention Florists' Review when you write

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PITTSBURG CUT FLOWER CO., Ltd.

705 Penn Avenue, PITTSBURG, PA.

Long Distance
Phone 2157.

Wholesale Florists

Write for Price List.
Consignments Solicited.

Mention The Review when you write.

BERLIN, ONT.

A short time ago I sent out for the Canadian Horticultural Association nearly fifty circulars to the largest and most important florists' establishments in this country, asking opinions on the tariff question. Just eleven replies have been received. May I ask those who have not yet replied to do so at once? Surely it is a question that concerns us all deeply, and it does seem to be actually necessary that the tariff should be changed from the way it stands now.

Prospects for a good Christmas trade in all lines are good, but from Thanksgiving until now it has been the dulllest of the dull, owing a good deal, I daresay, to the bad weather, it having snowed every day, more or less. A few sunny days before Christmas would do a great deal of good and considerably increase the supply of flowers.

A. H. EWING.

LOUISVILLE, KY.

A fairly good attendance was present at the last meeting of the Society of Kentucky Florists. The following officers for 1899 were elected: Pres., C. H. Kunzman; vice-pres., Jacob Schulz; rec. secretary, H. Lichtefeld; fin. sec'y., Jos. Coenen; treas., S. Thompson; sentinel, T. B. Rudy; trustee, H. Fuchs. The installation of officers will take place on Jan. 3 and will be celebrated with a grand banquet.

Flowers are not very plentiful and prices have not advanced to any degree.

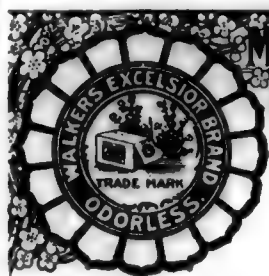
We had no Chrysanthemum Show this fall, but hope to make up next fall with a fine exhibition.

Nanz & Muner held a mum show at their store, where some very fine blooms were to be seen.

Mr. H. Lichtefeld raised some very fine mums, both as to size and color.

KY.

ST. THOMAS, ONT.—Webster & Co. have succeeded McLean, the florist.



MAKES FLOWERS FLOURISH

And
Your Profits
Increase.

Walker's Plant Food

is a scientifically prepared fertilizer which every one of your customers should have and will want when you show it to them.

100% Profit for You.

Send for free literature and price lists.

FLOWER CITY PLANT FOOD CO., Rochester, N. Y.

Mention The Review when you write.

Headquarters for WESTERN PENNSYLVANIA

WM. F. KASTING,

F. STOKES, Mgr.

OUR
ESTABLISHED
GOOD
REPUTATION
IN WESTERN
NEW YORK
WILL
INDUCE YOU
TO GIVE US
A FAIR TRIAL

444 Sixth Ave., PITTSBURG, PA.
Long Distance Phone 2985
Roses, Carnations and all kinds
seasonable flowers. Orders
punctually filled within
shortest notice.

Florists' Supplies and all
kinds of Wire Designs
always in stock.

Consignments of good stock solicited.

Cut Flower Exchange,

404 - 412 East 34th St., New York,

NEAR THE FERRY.

Open Every Morning at 6 o'clock for the sale of
CUT FLOWERS.

Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

Mention The Review when you write.

CHRISTMAS OFFER. Asparagus Sprengerii.

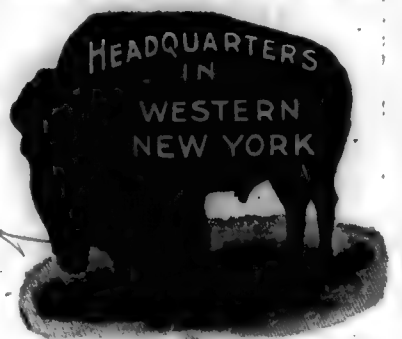
3-in. pots, \$5.00 per 100; 4-in., \$8.00 per 100.
Blue and Red Spirea and English Ivy field plants,
\$1.00 per 100. Cash with order. Blue Spirea. Weeping
Lantana and Violets, pot plants, also 10,000
Rooted Cuttings Carnations, the Big
Four and others. Write at once for prices.

Address **RONEY BROS., Florists,**
WEST GROVE, PA.

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GIVE US
A
TRIAL.
WE CAN
PLEASE
YOU.

Roses,
Carnations
and all
kinds of
Seasonable
Flowers
in stock.



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mission Florist.
495 Washington St., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire
Designs.

Mention Florists' Review when you write.

WM. J. BAKER,

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CUT FLOWERS,

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Consignments of Choice Stock Solicited.

Our central location enables us to fill out-of-town orders
at short notice.

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DISTANCE
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H. Bayersdorfer & Co.

THE LARGEST
SUPPLY HOUSE
IN AMERICA

New Catalogue of all Florists' Supplies on application.
For the trade only.

50 to 56 N. 4th Street, PHILADELPHIA, PA.

Mention Florists' Review when you write.

HORNELLSVILLE, N. Y.

A. W. Wettlin's house of cyclamen is worth a journey to see, showing what good cultivation can accomplish, and yet with several growers this plant is a total failure this season, evidently owing to a disease of some nature, as exactly the same treatment was given.

W. M.

CANON CITY, COLO.—R. D. Baker has added several new greenhouses.

Beauties
Brides
Maids
Metors
Perles

Carnations
Romans
Narcissus
Violets

Valley
Asparagus
Common Ferns
Smilax

Adiantum
Leucothoe Sprays
Galax Leaves
Ivy Leaves

Wild Smilax
Needle Pines
Palm Leaves

Christmas Cut Flowers

...FROM...

E. H. HUNT

Abundant Supply.
Fine Stock.

SPECIAL ATTENTION TO SHIPPING ORDERS.

The "Old Reliable" at

76-78 Wabash Ave., CHICAGO, ILL.

HUNT'S XMAS QUOTATIONS.

Taking effect Monday, Dec. 19, 1898.

Subject to Change Without Notice.

We are Headquarters for CUT FLOWERS.

ROSES.

Good stock scarce.

Beauties, long	per doz.,	\$8.00-10.00
" medium	"	6.00-8.00
" short	"	2.00-1.00
Brides	per 100,	10.00-14.00
Kaiserin	"	10.00-15.00
Maids	"	10.00-15.00
Metors	"	10.00-15.00
Perles	"	8.00-12.00
Our selection	"	10.00-12.00

CARNATIONS.

Fancy	per 100,	\$6.00-7.00
Selected Stock	"	8.00-5.00
Good	"	2.00-4.00

GREENS.

Asparagus	per string,	.60-.75
Ferns-Adiantum	per 100,	1.00-1.25
Common Fancy	per 1,000,	1.50
Smilax	per doz.,	1.25-1.50

Wild Smilax, in stock.

Large case	\$8.00
Medium	5.50
Parlor Brand	8.75
Galax Leaves, green, bronze, per 1000.	1.50
Leucothoe Sprays	per 100, .60

MISCELLANEOUS.

Callas	per doz.,	2.00-2.50
Valley	per 100,	5.00-6.00
Ivy Leaves (oiled)	"	.50
Alvsum	"	.25
Violets	"	2.00-3.00
Romans	"	3.00-4.00
P. W. Narcissus	"	4.00
Tulips (if in market)	"	3.00-5.00

HUNT'S FLOWERS GO EVERYWHERE.

Special Attention given to the Shipping Trade

Mention The Review when you write.

Herr's Carnations.

YOU RUN NO RISK.

All Carnation Cuttings are sent out with the privilege of returning them at my expense if they are not found satisfactory on receipt and your money returned in full.

I have from 1,000 to 5,000 stock plants of each of the leading varieties, and offer Rooted Cuttings at very reasonable prices. Correspondence solicited.

ALBERT M. HERR,
LANCASTER, PA.

Mention The Review when you write.

GERANIUMS. S. A. Nutt, Marvel, and other standard varieties, 2-inch pots, \$2.00 per 100.

ASPARAGUS SPRENGERII. Strong plants, 2 1/2-in. pots, \$6 per 100

BOUGAINVILLEA. Large, bushy plants, 4-inch pots, \$10.00 per 100.

CARNATIONS all sold.

NATHAN SMITH & SON, Adrian, Mich.

Mention Florists' Review when you write.

Carnations.

F. Dorner & Sons Co.
La Fayette, Ind.

Mention Florists' Review when you write.

M. RICE & CO.

NEW ILLUSTRATED CATALOGUE
FOR THE ASKING.

Exclusive Importers and
Manufacturers of

Florists' Supplies

25 N. Fourth Street, PHILADELPHIA, PA.

Mention The Review when you write.

American Rose Company,

Specialists in

HAND FERTILIZED
CARNATION SEEDS

from named varieties.

WASHINGTON, D. C.

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Rose Hill Nurseries.

Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

Largest stock in America.

SIEBRECHT & SON,

New Rochelle, N. Y.

Mention Florists' Review when you write.

"CONTINENTAL LIMITED."

NEW FAST TRAIN EAST VIA THE WABASH.

Leaves Chicago daily at 12:02 noon; arrives Detroit 8:20 P. M., Buffalo, 5:00 A. M. New York 3:30 P. M., Boston, 5:50 P. M.—only one night on the road. Through sleeper. Ticket Office, 97 Adams Street, Chicago.

E. G. Hill & Co.

Wholesale
Florists,

RICHMOND, - INDIANA.

Mention The Review when you write

CARNATIONS.

H. WEBER & SONS, - OAKLAND, MD.

Mention The Review when you write.

CORNING, N. Y.

A. H. Woepel reports good sales on mums. Roses are coming in elegantly for Christmas and I question if finer carnations, particularly Daybreak, Flora Hill, Scott, Jubilee and White Cloud, can be found anywhere. The latter variety throws stems 18 inches long on an average and has not been disbudded, but will be from now on when even heavier blooms must result. 'Tis a grand thing amongst whites.

W. M.

INDIANAPOLIS.

Thanksgiving Trade.

Thanksgiving day weather was cold and clear, with business not quite up to the average. Everyone seemed to be prepared for an increased demand. The amount of mums at our city market on that day was surprising, and although prices were reasonable, they did not sell very well. Roses and carnations were plenty and quality good, but did not seem to have many buyers. Violets were the only things in good demand, and as usual supply was short.

Since then the weather has been bad, snowing and cold, making business for the flower trade slow. A few large orders for design work help things generally. At present there are plenty of roses, while carnations especially red; and violets very scarce. Mums are taking a back seat, their season being over. A few good ones are occasionally seen.

Holly and Green wreathing have made their appearance and the stores are putting on their holiday attire. The florists here don't care to handle these goods, as there is nothing in it, being overdone by peddlers, who go from house to house and sell at reduced prices, besides it is sold at all downtown street corners, groceries, etc.

Club Meeting.

At the regular meeting of the Club, Wednesday, Dec. 7, we had a large attendance, the most interesting one we had for a long time. Probably this was due to the election of officers. The following were elected: J. Clyde Powers, pres.; F. B. Alley, vice-pres.; Fred R. Hukriede, sec. and treas.

After the election Mr. Henry Rieman proposed dropping our annual shows and give several exhibitions throughout the year, to which the public be admitted free. He said it was not necessary to give money as premiums, but to give certificates for well grown plants or cut flowers. His proposition was well received and nearly every one present favored it. No action was taken on the subject, however, until the State society meets in January, when the local club and the State society will jointly act on the subject.

A few remarks as to our show, which was a success in every way, except financially. However, we were able to pay 80 per cent in place of 50 as generally expected. As stated above every one is willing to abandon the show and give exhibitions on a smaller scale several times a year.

FRED.

THE Holly adv. of Mr. A. K. Sava-cool, Lewes, Del., that appears in this issue was intended for last week but came too late for that number, owing to a delay in the mails.

WAUSAU, WIS.—M. Phillipp, formerly of Valparaiso, Ind., has bought out O. Leubner and is now in charge.

BENTHEY & CO.

WHOLESALE COMMISSION
DEALERS IN

Cut Flowers.

41 Randolph St.

CHICAGO.

We offer a Choice and Full Line of Cut Flowers for the Holidays. If you have not received our price list, send for one.

Special Attention Paid
to Shipping Orders.

Give Us Your Order Early.

Mention The Review when you write.

SPECIAL OFFER of.....

Large ARECA LUTESCENS.

ELEGANT SPECIMENS, and of such form and character that they can be recommended for any purpose. All have been grown "cool," and are tough and hard. Very bushy (several plants in a pot). The shorter plants are most bushy.

8-inch pots, standing 3½ to 4 feet	\$2.00	10-inch pots, standing 5½ to 6 feet	\$7.00
8 " " " 4 to 4½ "	2.50	12 " " " 5½ to 6 "	8.00
9 " " " 4½ to 5 "	3.00	12 " " " 6 to 7 "	10.00
10 " " " 4½ to 5 "	5.00	12 " " " 6 to 8 "	12.00
10 " " " 5 to 5½ "	6.00	12 " " " 7 to 8 "	15.00

For full line of Palms, etc., send for Wholesale Price List.

CHAS. D. BALL, Holmesburg, Philadelphia, Pa.

NOW IN COURSE OF
PREPARATION....

IT WILL COVER the whole field of Commercial Floriculture, the articles arranged alphabetically so that reference may be quick and easy. It will be a whole library in itself.

THE
FLORISTS'
MANUAL

By WILLIAM SCOTT.

IT WILL TELL YOU just what you want to know in just the way you want to be told.

Send in your
order now.

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520-535 Caxton Bldg., CHICAGO.

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they will materially advance the interests of their paper by buying supplies of the advertisers in the

Always MENTION the name of the paper when sending inquiries or orders.

Florists' Review

ST. PAUL, MINN.

Trade continues good with stock of good quality and in fair supply. The weather for the past two weeks has been bright and favorable for producing good bloom. From present indications there will be a satisfactory cut for Christmas with moderate prices, but a few dark days may produce quite the opposite results.

Carnations have improved in quantity and quality and will be in crop for the holidays. Roses, however, will be mostly off crop—the severe storm and cold of Thanksgiving week upsetting all plans. Romans and Paper Whites are now in evidence, and as usual, are found very useful in funeral work, which is unusually heavy at this season. Harrisii are badly diseased, and but few good blooms will be in for the holidays.

Bouquet Green is very scarce in this market, with all visible stocks sold out. Delaware holly is in and is of the finest quality. The demand for all greens is very brisk, with indications pointing to a scarcity in all lines, before Christmas arrives.

The Florist Club.

At the last meeting of the Florists' Club, held Dec. 10th, considerable discussion ensued over the subject of state institutions supported by criminal labor selling plants and flowers in competition with the florists, who pay taxes and employ help. A committee has been appointed to look after the matter in the state legislature this winter. The injustice of this competition and of the Oakland Cemetery Association, of this city, which is exempt from taxation, but which has erected quite a range of houses, was fully shown in the discussion of the evening.

If these institutions are fostered and supported by the state why may they not engage in any branch of mercantile business and in time tend to ruin all business enterprises? If such a state of affairs exists in other states the Society of American Florists should bestir itself at once, and secure state and national legislation to stop the pernicious practice.

John A. May, for the past twelve years with L. L. May & Co., has opened a neat, attractive store on West 6th street. This makes 13 cut flower stores in this city, which is probably several more than is necessary for the trade requirements. X. Y. Z.

PITTSBURG.

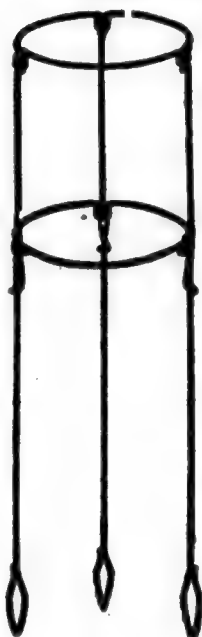
Mr. William Falconer, superintendent of Schenley Park, started last week for Jamaica, West Indies, on a botanical foraging expedition. He sailed from New York last Saturday.

DENVER, COLO.

The Gallup Floral & Seed Co. has succeeded the Gallup Floral Co., at corner Fifteenth street and Cleveland place. Perry C. Gallup is manager.

HEADQUARTERS FOR
ASPARAGUS PLUMOSUS NANUS
W. H. ELLIOTT
BRIGHTON, MASS.
CUT STRINGS, 8 to 10 feet long, 50 cents each.
Shipped to any part of the country.

The **MODEL** Extension Carnation Support....
Also Wire Rose Stakes.



QUEENS, N. Y., Feb. 16, '97.
MR. THERON PARKER, Brooklyn, N. Y. Dear Sir—I have tested your latest Model Carnation Support, and am free to say that I consider it the best wire carnation support that I have ever seen. It is quickly and easily applied, and I think will prove very durable, and you certainly deserve great credit for the invention.

Very truly yours,
C. W. WARD.

FLATBUSH, BROOKLYN, N. Y., Feb. 18, '97.

MR. THERON PARKER, Brooklyn, N. Y. Dear Sir—Your wire stake is certainly a gem. Without hesitating we endorse it as an up-to-date Carnation Support. Yours truly,
DAILLEDOUZE BROS.

W. HOBOKEN, N. J., Feb. 18, '97.
MR. THERON PARKER, Brooklyn, N. Y. Dear Sir—It gives me much pleasure to congratulate you upon your success in getting up Carnation Supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for for a long time.

Wishing you every success in the sale of them, I am,
Yours truly,
E. ASMUS.

Write for Prices, Circular and Special Discounts for early orders.

The Model Plant Stake Co.
THERON PARKER, Mgr., Inventor and Patentee,
22 Morton Street. BROOKLYN, N. Y.
Mention The Review when you write.

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Florists' Manual

By WM. SCOTT.

It will tell you just what you want to know in just the way you want to be told.
It will cover the whole field of Commercial Floriculture, the articles arranged alphabetically, so that reference may be quick and easy.
It will be a whole library in itself.

Price, \$5.00.

Send in your order now.

Florists' Publishing Company
520-535 Caxton Bldg., Chicago.

50,000 Rooted Cuttings

	Per 100
Begonia Incarnata Gigantea.....	\$2.00
" Rex, mixed, Mrs. Pollock.....	2.00
" Rex, 30 named varieties.....	4.00
Coleus, 50 varieties.....	1.00
" mixed.....	\$5.00 per 1,000
" separate colors, 6.00.....	.75
Ageratum, Geraniums, mixed.....	1.00
Geraniums, separate kinds.....	1.50
" bronze, lemon verbenas.....	1.50
" silver leaf, rose scented.....	1.50
" Mme. Sallerii, Vinca var.....	1.25
Impatiens Sultana, assorted.....	2.00
Pelargoniums, assorted, named.....	4.00

POTTED PLANTS.

	2 1/2-in.
Begonia Incarnata Gigantea.....	4.00
" Rex, mixed.....	4.00
" Rex, 30 named varieties.....	6.00
Cinerarias, best strains.....	3.00
Asparagus Plumosa Sprengeri.....	6.00
Impatiens Sultana.....	3.00
Geraniums, Silver Leaf.....	4.00
Lemon Verbena.....	4.00
Forget-me-not, winter flowering.....	3.00
Vincas Var., 2-inch, 3-inch, extra.....	\$2.00 to 4.00

Write for prices on other stock or for large quantities. Terms Cash or C. O. D.

GREENE & UNDERHILL,
Watertown, N. Y.

Mention Florists' Review when you write.

INSURE AGAINST FIRE
IN THE
Florists' Mutual
Fire Insurance Ass'n.

ADDRESS W. J. VESEY, Sec'y,
FORT WAYNE, IND.

Mention Florists' Review when you write.

SURPLUS
STOCK OF **ROSES.**

500 Perles, 1000 Brides, 1500 Bridesmaid, fine stock, out of 2 1/2-inch pots, \$3.00 per 100, \$25.00 per 1000.

VIOLETS, field grown clumps, \$3.00 per 100.

C. LENGENFELDER,
Cor. Western and Berceau Aves., CHICAGO, ILL.

Mention The Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

IN CHRYSANTHEMUMIAM.

Say there,
 You rosybuds
 And lilypads,
 And sweet peas,
 And daffydowndillies,
 And daisies,
 And geraniums,
 And all you others
 Miss Nancies of the flowering world,
 Will you please gosprinkle yourselves,
 And turn your weeping eyes on Me?
 Me
 The effulgent and iridescent full back
 Of the Floral Field?
 The only blooming
 Football player
 In the whole botanical business?
 There's nothing
 Of the modest little violet style
 In my ornate
 And flocculent physiognomy,
 And when it comes
 To throwing bouquets,
 I rather fancy
 I'm a whole plate
 Of cold slaw
 Myself
 Don't I seem
 To strike you that way?
 I am also
 A shredded sunburst of glory,
 And when I rise and shine
 There is but one light
 By which the footsteps
 Of the fleet and fading Flora
 Are guided;
 That's
 The Chrysanthemum!
 —New York Sun.

CATALOGUES RECEIVED.

Vaughan, McKellar & Winterson, Chicago, cut flowers, florists' supplies, bulbs, plants, seeds, etc.; R. Vincent, Jr. & Son White Marsh, Md., vegetable and other plants; Ellis & Pollworth, Milwaukee, Wis., cut flowers and florists' supplies; Cincinnati Cut Flower Co., Cincinnati, cut flowers; W. F. Kastig & Co., Pittsburg, Pa., cut flowers and florists' supplies; W. W. Barnard & Co., Chicago, Christmas decorations; Chas. D. Ball, Holmesburg, Philadelphia, palms and decorative plants; The Rosary Co., New York, care of plants in the home and garden; Dammann & Co., San Giovanni a Teduccio, Naples, seeds; Barr & Sons, London, Eng., seeds and bulbs.

PEABODY, MASS.

J. M. Ward & Co. have commenced a house 25x100 feet, but are waiting for the price of glass to tumble ere glazing. McGowan carnation thrives splendidly here; never fails to produce heavy crops and fine growths.

W. M.

ALDEN, N. Y.—Fire started in the greenhouses of Harry Tanner Dec. 1, but the flames were extinguished before much damage was done to the buildings.

The Harrisii Disease

can be prevented by immersing the bulbs
 for 5 hours in a half solution of.....

..Kraft's Plant Tonic.. 99%

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills **Hard Shelled Scale, Mealy Bug**, and other insect pests without injury to the plant. A trial of a 25-cent bottle will convince you that a really remarkable insecticide has been discovered. Send for circular.

Kraft Plant Tonic Co., → Rockford, Ill.

Mention The Review when you write.

A	SPARAGUS										S	PRENGERI																											
	SPECIMENS FOR 8-INCH POTS, \$6.00 per 12.																																						
A										BLANC										AND CO										PHILA									

50,000 Plants, 2½-in. pots, \$5.00 per 100, express. \$24 by mail for \$1.50

Mention Florists' Review when you write.

JUST ARRIVED from

FRANCE -- Roman Hyacinths, Narcissus, Freesias, etc.

JAPAN -- Lilium Longiflorum, all sizes. Crop short.

HOLLAND -- Hyacinths, Tulips, Narcissus, Crocus, etc.

CHINA -- Chinese Secred Lilies.

On hand:—Extra selected **Lily of the Valley**, 2,000 in a case \$24.00
 From cold storage:—A fine lot of **Araucarias**.
 State quantity needed and prices will be cheerfully given by

F. W. O. SCHMITZ, - - JERSEY CITY, N. J.

Mention The Review when you write.

F. & F. NURSERIES, SPRINGFIELD, NEW JERSEY
 Wholesale Growers TREES and PLANTS in Full Assortment.TRADE CATALOGUE FREE.

Mention The Review when you write.

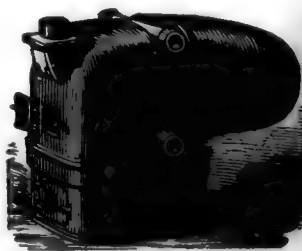
ESTABLISHED 1866 **EMIL STEFFENS** SUCCE^{SS}OR N. STEFFENS AND STEFFENS BROS.

MANUFACTURER OF

FLORISTS' WIRE DESIGNS & SUPPLIES

335 EAST 21ST ST. NEW YORK CITY.

Burpee's Seeds Grow



HITCHINGS & CO.
 233 MERCER STREET, NEW YORK
 GREENHOUSE BUILDING.
VENTILATING APPARATUS
 HOT WATER BOILERS, PIPES AND FITTINGS.
 SEND FOUR CENTS FOR CATALOGUE

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Holiday Decorations

ORDER NOW. LAST CALL.

Bouquet Green. Superior quality, while stock lasts, \$7.00 per crate.

Evergreen Wreathing. Made from select-ed green and first class in every respect, tied in coils of 20 yards each.
Medium heavy.....\$4.00 per 100 yards.
Extra heavy.....5.00 "
Special price on larger quantities.

Holly. Best Eastern Stock. We can furnish well ber-ried, well filled cases, size of case 16 cubic ft.
1 case.....\$5.00 5 cases.....\$22.50

Holly. Southern Market rate.

Holly Wreaths. Made from the best Eastern Holly, with plenty of berries, size 12-inch, in fact A No. 1 wreaths.
Per dozen.....\$1.50 Per 100.....\$10.00

Mistletoe. Stock ready about December 18th.
1 lb.....20c 10 lbs.....\$2.00
Special rate on quantities. Owing to the perishable nature we can send only by express (low rates). Let us have your order at once.

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LOOK AT OUR CUT FLOWER AD ON PAGE 71.

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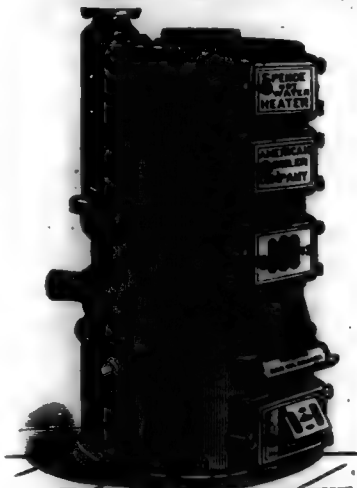
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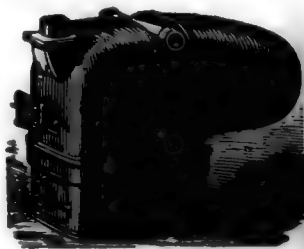
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Vol. III.

CHICAGO AND NEW YORK, DECEMBER 22, 1898.

No. 56.

ADIANTUM DECORUM.

This strong growing maidenhair is one of the best of the genus for general purposes, and endures exposure to the dry atmosphere of a dwelling fully as well as *A. cuneatum*, and pos-

adapted for mixing among large flowers.

In general outline the fronds of *A. decorum* are nearly deltoid, and the individual pinnae follow the same scheme in their more or less triangular outline, the color of the mature

A. decorum seeds quite freely, but the spores do not always germinate with as much freedom as those of *A. cuneatum*, this probably accounting for the fact that *A. decorum* is so much less frequently seen than our common maidenhair.

As an exhibition plant *A. decorum* is admirable, being both quick in growth and of very graceful habit, the fronds often reaching a length of eighteen inches and standing up well without artificial support.

Like all adiantums of vigorous habit, the species in question enjoys good living, and makes great progress in such a compost as *A. Farleyense* delights in, namely, rich, turfy sod, to which has been added one part in four of dry cow dung, but in using these highly fertilized soils careful watering is needed until the roots are re-established after potting.

W. H. TAPLIN.

CHRYSANTHEMUM MODESTO.

Does the chrysanthemum *Modesto* commonly sport to deep pink? All my plants have this year had blooms of a deep pink, though for years they have had the usual *Modesto* yellow. S. S.

While chrysanthemums will sport to other than their own colors it is extremely improbable that an entire batch of plants would do so simultaneously. I have never in my experience heard of such a thing. My explanation of the matter would be that the labels had been changed or the plants mixed in the cutting bench. It is very easily done if several persons handle the same plants, and it needs lots of experience to be able to tell all the varieties by their foliage alone. Of course, if the foliage and flowers are exactly identical with *Modesto* in every respect but color, the plants have sport-



Adiantum Decorum.

sibly a trifle better than the latter species when both have been grown in the same conditions of temperature and light. The fronds of *A. decorum* are also equally good for cutting, and when fully grown are stronger than those of *A. cuneatum*, and thus better

fronds being dark green, while the young leaves vary in color from pale green to pinkish during the process of unfolding, these differences in color depending on the condition of the plant and the amount of light it receives.

ed, and such a sport would have value, but, as previously stated, such a whole-

sale sporting of plants would be, to say the least, phenomenal. Modesto, like many other white and yellow varieties, will be tinged more or less with pink when the flower gets very old.

C. TOTTY.



ROSE NOTES.

The month of December is considered a good time to begin the propagation of young stock from cuttings for next year's planting. Much has been said and written about the superiority of forcing roses grafted on the Manetti stock, and while we can endorse much that has been claimed in favor of grafting, it is still a question whether strong, selected cuttings started in good time will not produce equal results on their own roots. We have seen some very fine roses grown on grafted stock; we've also seen them equally well done on their own roots. Our experience thus far has been, taking the season as a whole, that there is perhaps 10 per cent difference in favor of the grafted stock, and since this difference is largely in the increased quantity of first-class blooms cut, it is a point well worthy of consideration.

While the grower of fancy stock will rely on the grafting method to increase his stock, we still believe that the great majority of the craft will continue to grow their roses on their own roots for many years to come. If the proper wood is selected for cuttings (and this does not necessarily mean flowering wood, for blind wood is equally good for this purpose, so long as it is strong and healthy), there is no reason why roses on their own roots may not continue to be a success.

A few suggestions on making cuttings, etc., may not be amiss. For our cut-flower stock we prefer making two or three eye cuttings, one eye at the bottom, making a clean cut $\frac{1}{4}$ inch below the eye. The leaf at the base may be pulled off, leaving one or two good, sound leaves on each cutting. Cut out the end leaflet from each leaf merely to save room in the cutting bench. If the other leaflets are large, they may be trimmed about one-third,

otherwise they need no trimming at this season of the year.

Before placing your sand in the cutting bench, be careful to clean the bench thoroughly, and then give it a wash of lime, to which should be added a handful of salt, which makes it stick better. When dry, we are ready for the sand, which should be about four inches deep when packed. Water the sand lightly and pack as hard as possible. Now we are ready for the cuttings. Cut a smooth, straight line with a putty-knife, about two inches deep; take hold of your cutting and run in to the depth of $1\frac{1}{2}$ inches. Cuttings may be placed $1\frac{1}{2}$ inches apart in the rows and 2 or 3 inches apart between rows, according to size of cuttings. Press each row firmly, running your finger along the side of each cutting before starting the next row. When through, take your watering can and water them so as to settle the sand around each cutting.

From this time on the sand must be kept constantly moist. With a bottom heat of 65 to 70 degrees, and top heat of 55 at night, they will need a light watering every morning, a light sprinkle about noon, and another light dose between 3 and 4 p. m. When the sun is out bright, it may be necessary to shade the cuttings for a few hours; for this purpose we use old newspapers, which seem to be just the thing to prevent too rapid evaporation, at the same time protecting the cuttings from the strong light. With good attention they should begin making roots in about three weeks, when they are ready to be potted; of this we will have more to say as we pass this way again.

S. A. B.

PROPAGATING H. P. ROSES.

I have found difficulty in starting H. P. rose cuttings. I have used half-wooded stock, three buds, one over and two under soil, bottom heat 65 degrees, top heat 55 degrees; coarse sand, about 6 inches, on slate bottom.

Cuttings callous well, but start to decay before wire roots start. I do not find worms, nor do I think I over-

water. Since roses are prohibited from coming into Canada, the stock is more valuable, and I thought to start a few. Can you tell me where my error rests?
WM. P. LYON.

If your correspondent were trying to root H. P. roses in spring or summer, he could not have improved upon his method of treatment; with good attention, he should easily succeed in rooting 90 per cent of his cuttings.

However, when we come to the fall and winter months, a different temperature is necessary. A gentle bottom heat of 60 degrees and a top heat of 45 degrees will be about right, until they begin to callous. After this the bottom heat should be shut off entirely, letting the top heat remain at 45 degrees at night, with 10 degrees higher during the day, raising the ventilators as occasion demands.

Keep the sand in moderately moist condition. A light sprinkle every morning will be enough to keep the cuttings fresh. In eight to ten weeks they will begin to root. This may seem a long time, but you will find when they begin to grow they start out much stronger and make better plants than when grown in a higher temperature. I may add that we find four inches of sand sufficient for all propagating purposes.

S. A. B.

ROSE TROUBLES.

I have a range of glass 75x85 feet planted with 1,200 Bridesmaids, 700 American Beauties, 200 Brides, and 1,000 Kaiserins, etc. They were planted in 1897. The Bridesmaids did nicely last spring, but since then they have been gradually failing in health. If pruned a little strong, they get sick and die within a month or so. It is very difficult to keep the mildew out and the buds are curled and brownish, as though frost-bitten. They had one dose of nitrate of soda in January last and a little soot in March. I don't know how much nitrate the man gave. They have been rested a few weeks, but always with a little water, but not for the last week before pruning. I don't think the soil was dried out enough to reach the roots. The day temperature has been 75 to 90 degrees and 50 to 60 degrees at night. There is some drip from leaks at night. Do you believe this causes the buds to turn as described?

E. L.

California.

From the description of treatment, etc., it seems a wonder that the roses are still alive. They have certainly had a hard struggle for existence. It seems almost a waste of time to bother with such plants in their present condition. It is now too late to get any results from this stock before spring growth begins again.

I would advise keeping the soil moderately dry during the next six weeks. Let the temperature drop to 45 degrees at night. Day temperature may be 10 to 15 degrees higher, with ventilation.



A Florist on Snow.

Syringe lightly every bright day just enough to wet the stems and leaves, without adding any more moisture to the soil. Paint the heating pipes with a mixture of one-half sulphur and one-half lime, to kill mildew. About February 1 I would cut out all weak growth and cut back all stronger growth, much as you would prune a hybrid rose, but not quite so severely. Clean off all diseased leaves. Give the beds a top dressing of well rotted barnyard manure, spread evenly over the surface of the soil to the depth of half an inch. The beds will now stand a good watering, and from this time on the plants may be syringed lightly twice each day, to induce the eyes to swell. Night temperature may be increased to 50 degrees for the first ten days; after this a night temperature of 55 degrees should be steadily maintained. Day temperature should be 65 to 80, according to the weather.

We would advise leaving chemical manures alone for the present. They are costly experiments in the hands of one unfamiliar with their uses.

S. A. B.

BEAUTIFUL SNOW.

It is beautiful in some places. It covers our herbaceous plants with nature's overcoat. It gives us the pleasure of a sleigh ride, in which a large part of your physical self is covered with the hide of the almost ex-

inct American bison; at your side a companion who helps to keep you warm, and whose race there is little fear of becoming extinct. Just a word about the noble animal, the bison. As late as twenty-five years ago, I can remember parties of young men returning from northern Texas and telling us of the hundreds of buffalo they had slaughtered. They were thoughtless fellows and not to be blamed for such wanton waste of life, but the law should not have allowed the wholesale destruction of the noblest animal on the continent of North America. It is going to take 50,000 United States soldiers to protect the liberated Cubans. Quite as well in my opinion had the same amount of men and money been employed years ago to save and protect the birds and beasts that nature gave us. The majestic pine tree, the shaggy buffalo and poor Lo, with his "untutored mind," will soon be a thing of the past. And our collector of internal revenue at Iloilo, what will he care for the pine trees, the Buffalo or the "last of the Mohicans," "Sloppy Weather" or "Young man not Afraid of his Horses." There is another race of savages to be dealt with; Mr. Lo is practically gone.

But I have wandered; I meant to get into a snowdrift but have strayed to the tropics. Not for twenty years has western New York been visited by so sudden and great a fall of snow and

what makes it still more exasperating is when Mr. Thompson, of Joliet, Ill., walks into your office and says, with an amiable smile, "You have lots of snow here, we haven't any in Chicago." Innocent as Mr. Thompson may be of any offense, you feel that you would like to fill his mouth so full of snow that he could not say Chicago in a week, let alone the accent on the "Kah." While in this city it has not been much more than to afford good sleighing, you have only to go ten miles north, south or east to realize what a nuisance is an over-supply of the beautiful. In one village in which I am interested, the street commissioner, or road master, issued orders to the natives to clear their sidewalks, which they did by pushing aside 6 inches of snow and then walking on three feet of it. It was four feet on the level. As one of the old residents remarked, "I have seen the roadways as full of snow, but there was somewhere to pitch it away, now there is none."

If this were expected, we would certainly have to alter our style of greenhouse architecture. The houses with low walls, as violet houses, have been much harder to clear of snow than the more lofty ones. Supposing the side of your house was 4 feet 6 inches high, the snow was well up to that and for several days there was no place for the snow to slide off. We had to dig a passage way round the houses 4 or 5 feet wide and pull off the wintry covering. Houses that were detached were about as bad as the attached, but with labor you could remove it. In the valleys between attached houses it has been very bad and difficult to remove without lots of broken glass. It slowly melts, 'tis true, but when it falls as fast and drifts as well to the depth of 2 feet on the glass, it will melt away for an inch or two from the glass, but the great bulk of it will remain till we get a thaw. I have heard, I think, of a steam pipe being run along the gutter. It seems to me that it would be an excellent plan and little expense, but you should not expect to carry steam in ice water over 50 feet and it would be little trouble to supply the steam from your pipes in the house every 50. Most modern houses are built detached with considerable space between, still there are the short-span-to-the-south faddists who build their houses connected. I would rather have houses connected than divided by only a small space, say six feet, for that is a regular trap for snow in such an experience as we have just had.

One thing more about gutters. If it suits to have them, the conductor pipe should never be at the end of a house for that is where freezing takes place. The whole length of the gutter may be thawing, but the last foot is frozen tight. In a gutter 100 feet long you should have at least two 3-inch conductor pipes and no one should be

nearer than 6 feet to the far end. What a blessed thing it is to have a cypress plank for a gutter; how you can chop the ice out without being afraid. Some cypress gutters put in eight years ago, and annually painted are absolutely as sound as the day they were put up. In fact, they are as sound as Mr. Giesey's voice. To cover a cypress plank with zinc, tin or galvanized iron would be a horrible, ancient mistake. When the houses are dark with this covering of snow, the worst thing you could do would be to keep a high temperature, especially is this true of roses, carnations or violets. You may help melt the snow with your high temperature, but you will spoil your plants.

The illustration sent is not of any particular horticultural value. It is merely to demonstrate the quantity of snow that suits the average florist. In the background is a Baldwin apple orchard that bore so bountiful a crop two years ago, that we learned then that the way to make money out of our apple crop was to let them fall to the ground and rot. This is no joke, for the writer had from a small orchard 125 barrels of apples in '96, and if he had not had a bushel he would have been \$80 in pocket. The fence to the left is the old Buffalo road, the highway from New York city to the west; many a weary emigrant has trudged along this road; many a Mark Tapley, low in pocket and lower in spirit, has tried to be "jolly" and to wife, mother

and bairns forced a smile and cheery word about the "valley of Eden" that lay before them. The pioneers who first subdued the wilderness were martyrs and their descendants can hardly realize the hardships they endured.

The figure in the foreground is a collector, not of bad accounts, but of our indigenous products. That day, about Dec. 5, before the arrival of the great storm, he was looking for the dormant roots of *Quadrupedium rodentiana* cottontailers. He secured some you see. When quite dormant they stand freezing and the specimens shown were very dormant. A beagle hound is a help to finding them, like a truffle dog he scents them. The hammerless Parker (John Burton will explain what that is) you take along for fear you might meet a bear or an Indian. They, the cottontailers, not the Indian, are found often along fence rows and almost any old place. Beneath a brush pile is a good place to look, but you must not be discouraged if your look is not rewarded. You will look many times and discover nothing but the wintry scene. I am very sorry the collector could not show you the dog, but the dog is looking round to see what prospect there is of a lunch, while behind the camera is the farmer's wife, who is just exclaiming: "Come on, you fellers, dinner's ready," and that accounts for the more than usual contented look of the collector.

BUNNY.

Bulbs.

Between Christmas and New Year's is a good time to get in a good big lot of bulbs. Those got in then will force satisfactorily; then all through January to get long stems and good flowers you must give them a steady heat of 80 degrees and a heavy shade over them.

Primula and Cyclamen Seed.

If you save any of your own primula and cyclamen seed don't sell all the best varieties. If you can't do better pinch off the flower of any choice variety and then it won't sell, or, better still, mark it sold and put it away in some out-of-the-way corner where it can't be seen. We only improve our varieties of flowers by what is known as "artificial selection," that is selecting the individual that possesses the most desirable qualities, such as earliness, size, color, form or any other quality that makes the variety desirable. By this means has been produced the pouter pigeon, the pug dog, or Mary Wood carnation. This is a most unfavorable time for saving seed, but individual plants that show great excellence can be kept cool and their flowering delayed till a month or so later, when conditions will be better.

Lobelia—Centaurea.

There are few seeds to sow now, but very early in the year you should sow lobelia if you did not take care of any old plants. Cuttings of lobelia make the best plants for baskets, vases or veranda boxes, but seed sown at once will make good plants, though they require time. There is not much of the *Centaurea gymnocarpa* grown now, but if you want good plants for spring use, sow early in the year.

Easter Lilies.

I would remind you that Easter comes very early next year and just as soon as you get the usual space which Christmas will give you there should be no delay in getting your Easter lilies into a good heat. You won't have a day to spare. *Harrisii* or *longiflorum* that are 6 or 8 inches above the pot will do well in a night temperature of 60 degrees. Lilies want an awful lot of sorting and the sooner it is done the better. Some want more forcing than others and they should be sorted out to their requirements as soon as possible. WM. SCOTT.

CARNATION G. H. CRANE.

This new scarlet carnation, a seedling of Mr. Dorner's, gives promise of being an exceedingly useful commercial sort. It scored 92 points at the meeting of the American Carnation Society last February and has proved itself a remarkably free and continuous bloomer. It will be introduced this coming spring by the originators, F. Dorner & Sons Co., Lafayette, Ind.

WE WISH ALL a Merry Christmas and a profitable holiday trade.

MISCELLANEOUS SEASONABLE HINTS.

A Red Berried Plant.

From present outlook plants with red berries are selling well and as this taste will be sure to increase for several years it will be well to be prepared for it. Having just what the public demands is one of the essentials to success in the business. One of the easiest of berried plants to grow is the well known *Solanum Capsicastrum* (Jerusalem cherry). If you have any growing select seed from the best berried plants; or, if you don't grow any, get some seed from a reliable house at once and sow first of the year. As soon as they are up they want a moderately warm but light house, up near the glass—which is equivalent to saying good light and circulation of air. They are all the better for two or three pinchings before they are planted out. If they are in a 3-inch pot and bushy

little plants by end of May, you cannot but have fine plants to lift in the following September providing you do not plant them in too rich a soil. In growing during summer your object is just the reverse of what it is in growing many plants, carnations for instance. In the *Solanum* you don't want much growth. If planted out in a rich, moist soil they will make like all the genus a rank strong growth, flower very late and have few if any berries. You must plant them in a poor soil, not a stiff clay, but in a sand or gravel. They will be sure to grow enough and with a moderate growth will flower early and bear an abundance of berries. They lift without losing or wilting a leaf. A light house, with a night temperature of 50 deg., is the place to keep them till they are sold.

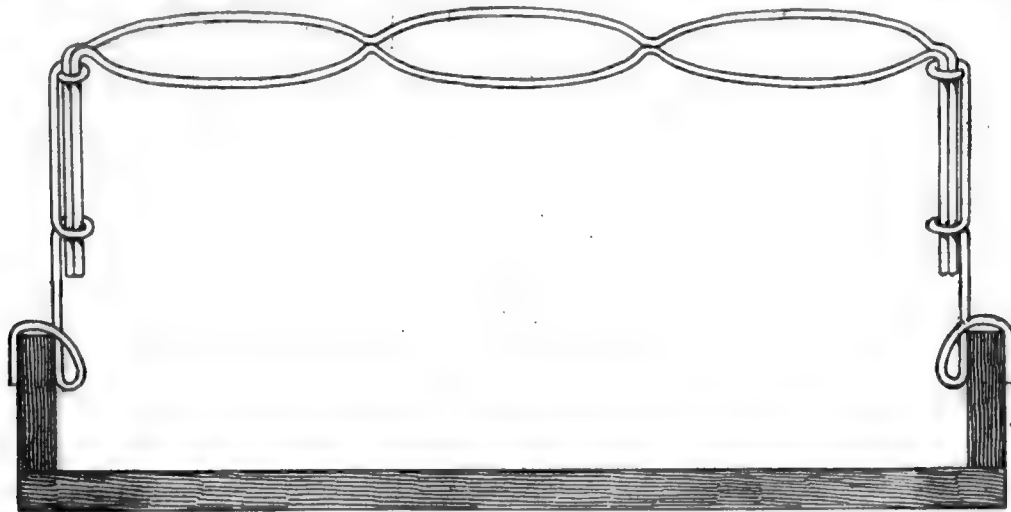
OUR PRIZE COMPETITION.

Following is another batch of entries in our prize competition in labor-saving devices or methods useful to florists:

No. 28 is a carnation support used by us for the past three seasons. As will be seen from the engraving it consists of two legs and two cross wires

ches long, curve and flatten one end and shape the other end for a handle and in about five minutes you have one of the best weeders for bench work you ever saw. Try it. P.

In giving the dimensions of No. 27 in our issue of Dec. 8, we should have added that the rose is two inches in diameter and one inch deep.



No. 28. Carnation Support.

to each tier. The legs have a ring turned in them every four inches and can be made for two or three tiers to suit any variety of carnations we have; two tiers are enough for plants 30 inches high. It is necessary to have the foot fit snugly to side boards of benches to make support rigid. The loops are 4 inches wide by 5 inches long, giving a space when both are in position of 8 by 6 inches, leaving 2 inches between loops. Where benches require six loops or over, it is necessary to have a supporting wire run through the center the entire length of bench.

The legs are made of No. 10 galvanized wire, the crosswires of No. 12. We have in use No. 14, but they bend too easily when taking out in the fall. The support is placed in position as the plants are lifted from the field, before watering, keeping them in an upright condition till they are established.

The advantages we claim for this support are: It is easily placed in position, giving the plant complete freedom, not interfering with picking flowers, mulching, or working among them in any shape; no tying up to be done, only going over them once in a while and pushing the few stragglers into the loops. We figure they cost us about half a cent per plant, valuing our time at a reasonable figure for making them, which requires a little practice before one gets very expert at it.

No. 29 is a weeder I have used on my place for years and I use no other on the bench. With it I can weed around the plants without injuring them in the least, digging as deep or as shallow as I wish.

It is made of one-fourth inch wire. Take a piece of this wire about 16 in-

SMILAX.

Enclosed find sample of smilax leaves; also a spray of the young growth. As you will notice, the leaves on the old growth are tipped with white, and about one-half of my house, 20x100 feet, is affected that way. It has been coming on for about four weeks, and seems to be spreading over the whole house. The young growth, instead of starting up the strings as it should, grows heavy and very bushy and dwarfed. The leaves are very small and it is short jointed. What can be the matter?

The house has not been fumigated for four weeks, so the trouble is not caused by smoke. In filling the house I used rose soil and 40 per cent horse manure, well rotted. Planted from 3-inch pots July 15 last. I spray every



No. 29. Weeder.

morning. Temperature, 55 to 80 degrees. Soil is in what we consider a fair growing condition. SMILAX.

I have never seen smilax so affected as specimens sent, unless by a strong dose of tobacco smoke or when sulphur has been burnt in the house for the benefit of some plants that were attacked with mildew. But in this case it is evidently caused by neither of the above. Growing heavy and bushy is certainly not a sign of bad health, but it ought to run, which is its natural growth. Time of planting and size of plant were all right.

There is one admission that is grievously wrong. The enquirer says: "Used rose soil and 40 per cent horse manure, well rotted." I suppose what is meant is that the soil was from an old rose bench, but there is no mistake about the 40 per cent horse manure. That is nearly half, and is four times too much. Horse manure holds ammonia a long time and it is quite possible the roots are burned. If practicable, it would be best to lift the plants and remove the top four inches of soil, replacing it with four inches of fresh loam, and replanting at once. By the time the new roots got down into the manure-saturated soil they would be able to stand it. The smilax, like all the family, are great feeders and like a strong, rather heavy soil, with a good allowance of animal manure, but 40 per cent is altogether too much.

WM. SCOTT.

AMMONIACAL MIXTURE.

Referring to the note regarding the preparation of this mixture on page 53, I wish to call attention to the fact that the mixture there described is known as Eau Celeste and not Ammoniacal Mixture. The latter is made by dissolving copper carbonate in ammonia and diluting with water to the proper strength. Eau Celeste was recommended in former years by the French but is now seldom used owing to the caustic action of the fungicide upon foliage. Ammonia is not of itself a fungicide and does not increase the efficacy of copper sulphate, which is one of the most useful germicides.

The formula for making ammoniacal copper carbonate is as follows: Copper carbonate, 5 oz.; ammonia (strong), 3 pints; water, 45 gals.

This is for florists' use a desirable fungicide, as it does not stain the sprayed plants.

JOHN CRAIG.

Ithaca, N. Y.

AMMONIACAL MIXTURE.

I use the above mixture on my cutting bench as mentioned by Mr. Scott and an experience of mine may be of interest. On one occasion I forgot to apply the mixture to the sand before putting in the cuttings and so made the application after they were in. Among the cuttings was a batch of lantanas and these were ruined, the leaves turning black. The lantanas were the only ones injured, from which I came to the conclusion that it is unsafe to apply the mixture to this plant. Has anyone had a similar experience? J. B.

ONE DOLLAR will bring the Review to you every week for a year. Fifty-two numbers—less than 2 cents a week.

LIBERTY, MO.—Business is improving and we look for a good trade at Christmas. It has been very dull till now.

Review of the Work of the Chrysanthemum Society of America for 1898.

NAME.	WHERE SHOWN.	DATE.	EXHIBITED BY.	COLOR.	TYPE.	POINTS SCORED.										REMARKS.
						Scale	Color	Form	Fullness	Stem	Petalage	Size	Distinct	Foliage	Total	
Willowbrook	Phila	Oct. 15	Wm. Paul Binder, Rider, Md.	White, slightly tinged lemon	Jap	C	21	21	13	8	8	14	..	..	85	
Harry A. Parr	Chicago	" 22	"	Yellow	Jap	E	12	12	8	8	8	14	20	7	81	
"	Phila	"	"	Delicate yellow	Jap. Ref.	C	21	21	14	8	8	10	..	..	79	
"	Boston	"	"	Light yellow	Jap	C	23	23	15	9	9	13	..	..	92	
"	New York	"	"	Yellow	"	E	14	14	9	9	13	23	8	90		
"	Cincinnati	" 29	"	Lemon yellow	"	C	20	18	14	10	7	10	..	..	79	
Lady Harriett	Phila	" 22	"	Pink	Jap. Inc.	C	18	18	15	10	7	10	..	..	78	
Robt. Halliday	"	" 20	"	Yellow	Jap. sl'tly incurv'd	C	20	21	15	9	9	13	..	..	81	
Adele	"	" 22	Ed. A. Seidewitz, Annapolis, Md.	Delicate pink	Jap. Inc.	C	22	23	10	9	9	18	..	..	86	
Swern	"	" 29	"	Pink	"	E	13	14	7	9	14	21	7	85		
John K. Shaw	"	"	"	Pink	"	C	22	21	15	8	8	15	..	..	89	
Soliel d'Octobre	"	" 22	John N. May, Summit, N. J.	Clear yellow	Jap. Ref.	C	13	13	10	8	15	20	8	87		
No. 29	"	" 29	"	Pink	"	E	23	23	15	9	9	14	..	..	93	
Meta	"	"	"	White, lemon shading	Jap. Inc.	E	14	14	10	9	14	21	9	94		
"	Boston	"	"	Light straw yellow	"	C	21	22	13	8	8	11	..	..	83	
"	Chicago	Nov. 5	"	White	"	C	23	24	13	9	9	14	..	..	92	
Yellow Mayflower	Phila	"	"	Light yellow	Jap	E	13	13	8	10	15	20	8	87		
"	Chicago	"	"	Light yellow	Jap. Ref.	C	20	22	13	10	9	13	..	..	87	
"	Boston	" 12	"	Primrose yellow	Jap	E	13	12	8	10	10	23	10	86		
Mavourneen	Phila	" 5	"	Delicate salmon pink	"	C	21	22	14	8	8	12	..	..	88	Sport from Mayflower (see footnote)
"	Chicago	" 12	"	Pink	Jap. Ref.	E	15	12	10	7	15	25	5	89	Arrived in poor condition	
Mrs. Trainor L. Park	Phila	" 5	"	Yellow	Jap. Inc.	E	21	22	14	8	8	12	..	..	85	
"	"	"	"	Yellow	"	C	12	13	9	8	12	21	8	83		
Mrs. N. Molyneux	"	"	"	White	Jap	E	20	22	14	8	8	12	..	..	84	
Silver Wedding	Chicago	" 11	"	White	Jap. Ref.	C	24	21	12	10	9	13	..	..	89	
"	Boston	" 12	"	White	Ref.	C	23	23	15	8	8	14	..	..	91	
Adula	Phila	" 19	"	Creamy white	Jap. Inc.	E	14	14	10	8	14	22	8	90	European	
"	Chicago	"	"	White	"	C	23	23	15	7	8	14	..	..	90	
"	Boston	"	"	White, slight cream tinge	"	C	22	20	12	8	9	12	..	..	83	
Pride	Cincinnati	" 26	"	White	"	E	25	23	12	7	10	13	..	..	90	
"	Chicago	Oct. 29	G. P. Rawson, Elmira, N. Y.	White	Jap. Ref.	C	15	15	7	8	12	25	7	86		
"	Boston	" 29	"	White	Ref.	C	22	20	15	7	7	12	..	..	86	
Eclipse '98	"	Nov. 26	"	Light yellow	Jap. Inc.	C	25	23	15	9	7	15	..	..	94	Sport from W. H. Chadwick
Mrs. J. V. Merrick	Phila	" 5	H. B. Surnam, Germantown, Pa.	Slaty pink	Jap	E	15	11	10	9	15	25	9	94		
Polly Rose	New York	Oct. 22	David Rose, Jersey City, N. J.	White	Jap. Ref.	C	18	20	13	9	9	13	..	..	82	
Yellow Ivory	Chicago	Nov. 5	Smith & Son, Cleveland, O.	Yellow	Jap. Inc.	E	25	20	12	10	8	12	..	..	87	Sport from G. of Pacific
G. J. Warren	New York	"	F. R. Pierson & Co., Tarrytown, N. Y.	Canary yellow	Jap	E	15	12	7	10	12	15	10	81	Ivory x Sunderbruch	
Mlle. Lucie Faure	"	" 12	"	White	Jap. Inc.	E	23	18	12	6	8	6	..	..	73	European (see footnote)
Mrs. F. A. Constable	"	" 5	Wm. Anderson, Mamaroneck, N. Y.	Pure white	Jap	C	23	15	15	5	5	15	..	..	78	
Phenomenal	Boston	" 8	E. G. Hill & Co., Richmond, Ind.	Light bronze yellow, tinged pink	Jap. Inc.	E	15	15	10	5	15	20	5	85	European	
General Custer	Chicago	" 12	"	Red	Jap. Ref.	C	22	22	15	9	8	10	..	..	86	
Admiral Dewey	Phila	"	C. W. Ward, Queens, L. I., N. Y.	Yellow	"	E	13	13	10	8	12	22	7	85		
"	Boston	"	"	Chrome yellow	Ref.	C	25	23	15	7	8	12	..	..	90	
"	New York	" 19	"	Chrome yellow	Jap. Ref.	C	24	18	12	6	6	8	..	..	74	
Rough Rider	"	"	"	Pink	Jap. Inc.	C	18	18	14	5	7	14	..	..	76	
David S. Ward	"	"	"	White	"	C	24	24	13	9	8	12	..	..	86	See footnote
Col. D. Appleton	"	" 12	Jas. R. McDonald, Riverdale, N. Y.	Yellow	"	E	14	14	8	9	12	20	9	86		
No. 97	Cincinnati	"	Theo. Bock, Hamilton, O.	Light pink	"	E	28	23	13	10	9	14	..	..	92	
Mrs. Bradish Johnson	New York	" 19	Geo. Gipson, East Islip, N. Y.	Pink	Jap	C	14	13	8	10	14	23	10	92		
Florham	"	"	A. Herrington, Madison, N. J.	Yellow	Jap. Inc.	C	22	19	10	8	8	12	..	..	79	
Captain Gridley	Phila	"	H. Tong, Erie, Pa.	White and V. del. blush	"	C	18	18	12	9	5	8	..	..	70	
"	Cincinnati	"	"	Bet. white and blush P.	"	C	15	18	14	9	7	10	..	..	78	Bonnaffon Sport
White Maud Dean	New York	" 26	J. Lewis Childs, Floral Park, N. Y.	White	"	C	20	20	13	8	8	13	..	..	86	Outer petals inclined to droop
J. M. Keller	"	Dec. 3	Hewey A. Molatsch, Brooklyn, N. Y.	Bright, clear yellow	Jap	C	16	21	11	9	8	13	..	..	78	
Kuno	Cincinnati	Oct. 15	Nathan Smith & Son, Adrian, Mich.	White	"	C	13	13	10	9	10	17	8	80	Slight indication of pink on some blooms. Sport from Maud Dean	
No. 12-10	Chicago	" 22	"	White	Jap. Inc.	C	22	22	11	9	8	13	..	..	85	
No. 57-8	Phila	" 29	"	Light yellow	"	C	20	22	15	8	9	13	..	..	87	
Shilowa	Chicago	Nov. 5	"	Crimson	Jap. Ref.	C	23	23	13	8	7	12	..	..	86	
"	Cincinnati	" 12	"	Red	Jap	C	20	20	13	7	8	12	..	..	80	
No. 35-4	Chicago	" 5	"	Pink	Jap. Inc.	C	23	19	11	9	7	13	..	..	82	Mme. Perrin x Iora
No. 35-6	Cincinnati	"	"	Blush pink	Jap	C	20	20	12	8	7	14	..	..	81	
Zoraida (exhibited as Izanga)	Chicago	" 11	"	White, lemon disc	Anemone	E	18	18	8	7	13	19	7	84		
Monstrosum	Boston	" 12	"	Amaranth pink	Jap	E	14	13	9	7	14	20	8	85		
Idavan	Phila	" 19	"	Del. pink, creamy cen.	Jap. Inc.	C	8	10	10	8	12	20	11	78		
"	"	"	"	"	"	C	20	20	15	9	8	13	..	..	85	

Review of the Work of the Chrysanthemum Society of America for 1898—Continued.

NAME.	WHERE SHOWN.	DATE.	EXHIBITED BY.	COLOR.	TYPE.	POINTS SCORED.									REMARKS.
						Scale	Color	Form	Fullness	Stem	Petalage	Size	Distinct	Foliage		Total
Nagoya.....	Phila.....	Nov. 26	Nathan Smith & Son,	Yellow.....	Jap. Ref.	C	23	22	14	8	8	12	..	87	
Xeno.....	".....	" "	Adrian, Mich.	Purplish pink.....	Jap. Inc.	C	20	24	15	10	9	11	..	89	
".....	Cincinnati.	" "	" "	Deep pink.....	" "	C	19	22	13	9	8	12	..	85	
".....	Chicago.....	" "	" "	Pink.....	" "	C	23	22	14	9	9	12	..	89	
Stelletta.....	".....	Dec. 3	" "	Yellow.....	Jap. Ref.	C	25	24	13	8	9	14	..	93	
Superba.....	".....	" 10	" "	Pink.....	Jap. Inc.	C	22	20	14	7	8	12	..	83	
Queen of Plumes.....	Phila.....	" "	" "	Bright pink.....	" "	C	22	22	15	8	8	13	..	88	
Miss Florence E. Dautzer.....	Boston.....	" "	" "	Delicate lilac pink.....	Jap. Inc.	E	15	13	10	6	10	25	8	87	
	New York.....	" 17	A. C. Zoolanek,	Pink.....	hairy sec.	E	20	18	14	8	8	10	..	78	
			W. Hoboken, N. J.		Jap.....	C									

SOLIEL D'OCTOBRE. This variety was reported upon as Soliel d'Or, with October Sunshine in parenthesis. As the first name had been appropriated to a Chrysanthemum, it appeared in the weekly report of October 29th as October Sunshine. It has been ascertained that it is a French importation, the right name being as here given.

G. J. WARREN. Considerable controversy has arisen over the yellow sports from Mme. Carnot. Not less than three of them are catalogued by English growers. The following extracts from English catalogues may throw some light upon the subject: "Yellow Mme. Carnot, a deep canary yellow sport from the well known Mme. Carnot."—H. J. Jones' catalogue, 1897. "Yellow Mme. Carnot or G. J. Warren."—Norman Davis' catalogue, 1898. "Mrs. W. Mease, the sulphur Mme. Carnot, is thoroughly distinct from the yellow sport G. J. Warren."—H. J. Jones' catalogue, 1898.

DAVID S. WARD. The Committee consider this variety identical with Mrs. Robt. McArthur, and further inquiry has established the fact.

YELLOW MAYFLOWER. As a certificate was awarded a yellow sport from Mayflower, November, 1896, under name of F. A. Spaulding, it is considered advisable to withhold certificate from the last shown until their distinctiveness can be determined.

MRS. GEO. F. BAER. The issuing of a certificate for the variety Mrs. Geo. F. Baer, which was withheld last year to determine its identity, will have to be deferred until the several yellow sports from Mrs. J. Jones can be thoroughly tested. To add to the complications of this case there have been two more yellow sports from this parent disseminated last spring. Mrs. J. Jones has sported to yellow and yellow with bronze shadings in six localities in this country.

ELMER D. SMITH, Secretary.

NEW YORK.

The Market.

New York wishes the rest of these great and glorious United States, including Cuba, Porto Rico, the Philippines, Hawaii, and all the rest of us, a good, old-fashioned Yankee Christmas and a prosperous future. New York has been absent from your columns for a short time, simply because we've been too busy preparing for the greatest of all festivities—Christmastide—and we can assure you all we intend to enjoy it, and advise you to do likewise. Of course, we'll have lots of trouble in trying to please Shylocks and cranks with flowers and the prices. The present indications, however, are that we shall have a good run of business, and we must take the best there is in it out of it. There is nothing specially new on the market, but there is a greater supply of desirable stock, such as poinsettias, which are going at 25 cents; Harrisias, at \$1.50 to \$2; violets today are \$2; roses, such as Maids, Brides, Meteors, etc., all the way from \$3 to \$12; Beauties are sold by the half-inch, the highest price being 75 cents; hyacinths, \$2 to \$3; carnations, \$2 to \$6; valley, \$3 to \$5; cattleyas, from \$35 to \$50; mums are out of it.

Of course, these prices are for December 19; they may or may not be very, very different by Saturday. Prices are things we don't take much stock in. It is impossible to quote them correctly; simply because the grading of stock, the critical buyers, the culls, the six X's, and the debris, must all be reckoned with, and this no journalist has time to bother with; we might attempt an average, but that will never satisfy.

We hear of a great many growers changing their agents here today (De-

cember 19), simply because they are tempted with high Christmas prices. Well, people are justified in getting all they can, but they who hawk their stock from one to another, generally speaking, do not benefit much by it.

Flowering Plants.

There will be more flowering plants used this Christmas than ever. Orange trees are fine in green pot baskets and bow of orange ribbon. Ericas are beautiful with crepe paper pot cover; baskets of poinsettias and ferns are lovely, and the cyclamen on the market are superb; then there are baskets of primulas, ardisias, anthuriums, and an endless variety of combinations which are cheaper and a great deal more satisfactory than faded and pickled cut flowers at unreasonable prices.

Growers should take notice of the handwriting on the wall. Today there was not a violet to be seen on the market; Saturday we shall be asked to buy stock we would have thrown away last week. Mistletoe looks fine; Princess pine is not obtainable at any price; holly is not specially fine. Imported holly trees are grand. Wreaths of box are beautiful and go well, especially with a cluster of mistletoe or red berries, and a bit of red ribbon. Berry red immortelle stars in lycopodium wreaths and holly wreaths are the principal window dressings seen.

Bowling.

But let's get away from business awhile. That was a jolly impromptu concert held after the last meeting of the Florists' Club; it will be well to have more of such.

The Gardeners' Society's bowling team say they lost the match because there were florists on the team. Be that as it may, there are rumors of challenges being given out broadcast among all the Florists' Bowling Clubs

around New York, and there will be lots of hard struggles soon. It is to be hoped that the Philadelphia boys will not come and "eat 'em all up" again before they get a proper chance to defend themselves.

There was a jolly party at the alleys tonight. The following is a fair average game rolled: O'Mara, 174; Penman, 137; Troy, 153; Traendly, 167; Burns, 166; Leuly, 203; Ficken, 143; Donlan, 123.

The match game between teams representing the New York Gardeners' Society and the New York Florists' Club resulted in a victory for the latter. Mr. T. Lang was the winner of Mr. Hafner's prize, a silver match box. Following are the scores:

NEW YORK FLORISTS' CLUB.

J. Roehers	139	169	156
Wm. Burns	147	133	148
L. Hafner	141	137	135
J. Penman	86	101	103
F. L. Atkins	107	136	131
T. Lang	154	179	185
Totals.....	774	855	858

NEW YORK GARDENERS' SOCIETY.

P. O'Mara	150	119	181
Jos. Manda	142	108	111
Jas. Logan	132	102	89
Wm. Plumb	132	90	135
J. H. Troy	120	123	109
Wm. Bartholomae	111	153	93
Totals.....	787	704	718

Business Changes.

Despite all the complaints of poor business, we learn of very few going out of the business. It is rumored that Charles will discontinue his cut flower department at Forty-third street and Vanderbilt avenue after the first of the month.

A. Theismeyer has opened a florist store at Thirty-seventh street and Third avenue.

Owen MacDonald, formerly with Cristatos, has organized and will man-

age The MacDonald Company, which will do a general plant and cut-flower business at Fifty-eighth street and Madison avenue.

The Neal Floral Company has opened a store at 3 East Forty-second street.

Wm. Wadley, formerly of the firm of Selbrecht & Wadley, has recently opened a store at 55 West Forty-second street.

Most of the leading florists were busy arranging floral designs for the funeral of the late Ex-Senator C. S. Brice, which took place here Saturday, December 17. IVERA.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

520-535 Caxton Building, Chicago.

334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/4 page, \$13.50 full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday. COPYRIGHT 1898.

BOSTON.

Review of the Market.

With the short time from now to the holidays and the advent of good solid winter weather, the market for flowers shows a much better feeling and all kinds of stock has been fairly well cleaned up every day. Violets are still a leader and have been firm at \$1.50 per 100 all this week for both double and single, with some sales made at a higher figure.

Roses have decreased somewhat in quantity and sales are readily made, good stock being in excellent demand. Brides and Maids run anywhere from \$6 to \$16 per 100, but the latter price is for very choice stock. High grade Meteors will bring \$2 per dozen. Beauties in good demand, still at last week's quotations.

Carnations, owing to the finish of the chrysanthemum crop, are now the leading staple, and have averaged from \$2 to \$3 per hundred, with fancy grades running as high as \$6.

Chrysanthemums are nearly done; a few Maud Deans are shown, price about \$2.

The cut of Harrisii is increasing, but with price about the same—\$16 per 100. Valley, \$4; Romans, \$3, and Paper Whites, \$3 per 100.

News Items.

Owing to neglect of a clerk to remove flowers and plants away from the windows. J. M. Cohen, Chapman

Place, lost some valuable stock during the very cold night of the 13th.

Welch Bros. are receiving some violets of the Marie Louise variety which are very fine, fully equal to the best Farquhars. They are also getting the best Beauties that are now coming to Boston.

The trade for Christmas greens is fully up to former years, and all the wholesalers are kept busy filling orders.

C. S. Goddard, of Woodford, Me., has been a visitor this week. P.

ST. LOUIS.

The Market.

The weather for the past few days has not been so cold and as a consequence all kinds of roses were plentiful and demand slow. From the present outlook roses will not be so scarce for Christmas as expected, unless present indications fail, and a good Christmas trade is very promising, though business for the past week was dull and prices low. Sales for holiday greens are more satisfactory and the demand is in keeping with previous years. A great many fine plants were shown and the cyclamen seems to be the most salable and popular. They are in the market in fine condition.

In the cut flower line Christmas prices take effect on Tuesday, December 20, and from the advance lists are going to be high. American Beauties will be scarce, that is, fine long stem stock, and will bring \$12 to \$15 per dozen; short stem, \$3 to \$6 per dozen. Good Meteors will be scarce, as a great many of them come in bull heads and black in color. The best will bring \$12 and \$15; Woottons, \$8 and \$10; Brides and Maids, same as Meteors; Perles, from \$5 to \$8.

Carnations will be in good crop; Scott, Daybreak and whites, \$3 and \$4; Jubilee and other fancy varieties, \$5.

Romans and Paper Whites are in good supply and will be for the holiday trade; \$3 and \$4 is the price quoted. Some fine stevia is grown this year by Julius Koenig, Jr., and it comes just in the right time for Christmas; price, \$1.00 per 100.

The supply of violets will be good. The prospects are that Californias will go up to \$3 per 100; doubles \$2, and small singles 50 cents. Valley good and demand fair; price, \$5 and \$8. On smilax and asparagus the price will hardly go up much unless the demand is heavy.

Notes.

A St. Louis fakir has opened a store on Olive street and is selling stock same as he would on a street corner. He has a sign out every day quoting roses at 15 and 25 cents per dozen. He buys everything in sight at \$10 per 1,000 and for the past week has been

pickling stock for Christmas in order to keep up his price of 25 cents per dozen. A fool and his money must soon part; wait and see how true this is.

The Bowling Club rolled five games on Monday night and some good scores were made. D. Finlason was high in average and Beneke highest single score, although at one time Fillmore was running him a close race with 199. Following are the scores:

	1	2	3	4	5	Tot.	Av.
D. Finlason	131	147	151	160	177	775	153
J. J. Beneke	206	108	154	129	127	724	145
C. A. Kuehn	144	139	119	161	144	707	141
Emil Schray	131	134	164	135	133	697	139
J. W. Kunz	132	141	...	...	...	273	136
F. J. Fillmore	128	109	199	83	126	645	130
C. C. Sanders	128	104	113	...	...	345	115

J. J. B.

CHICAGO.

The Market.

The Christmas rush is on and the dealers are hustling. Orders in at time of writing indicate that the volume of trade will far exceed that of any previous Christmas, as there is not only more than the usual strong demand but an unusually good supply of everything except extra grade roses. The bright, sunny weather continued till Sunday night, but with Monday shifted to rain and gloom. The weather made it difficult to hold stock and more came in early in the week than was anticipated. But by Wednesday shipping trade took hold and kept things moving lively. It seems likely now that there may be a serious scarcity of roses at the close, especially if the dark, gloomy weather continues.

On Tuesday the dealers in florists' supplies were on the jump. E. H. Hunt and Vaughan, McKellar & Winterson had all the orders they could possibly take care of and their shipping departments were hives of industry. The price of bouquet green has kept climbing and we hear of sales at \$10 a hundred pounds. Holly is in better supply than green, but prices for good stock are held up stiff to printed quotations.

Club Meeting.

At the meeting of the Florists' Club last Friday evening little but routine business was transacted. Probably it was too near Christmas for the members to turn out strong, and the discussion by the retailers was deferred. Arrangements were made for a "smoker" at an early date. A report from Mr. Wienhoeber, who had been deputed to present the matter of a spring show to the officials of the Horticultural Society, reported that there was no probability of having such a show the coming spring.

Various Items.

Some blooms of the new rose, Clara Barton, were sent to Bassett & Washburn last Saturday by E. G. Hill & Co. It is very much like Bridesmaid, but

of a deeper shade of pink. Those who saw it were very favorably impressed with it. Mr. Hill also sent blooms of his new red carnation, America, which were also very favorably commented upon.

Mr. and Mrs. E. H. Hunt are still sojourning in New Mexico.

Recent visitors: C. C. Pollworth, Milwaukee; Geo. Souster, Elgin, Ill.; Mr. Anderson, of Williams & Sons Co., Batavia, Ill.

Chas. W. Zaremba sued the World's Columbian Exposition Co. for \$1,000, the value of orchids which he claims were stolen from his collection on exhibition at the fair. The suit came up in court December 17 and was dismissed on motion of plaintiff's attorney.

John Craig, of Cornell University, who succeeds Prof. J. L. Budd as professor of horticulture in the Iowa Agricultural College on January 1, passed through the city last Friday.

Mr. S. B. Winter is still confined to the house by illness.

Mr. Andrew Miller, of the Central Floral Co., deprecates the throwing out of the Testout rose by the growers. It was very popular with his customers and he feels that the grower could obtain a price for it that would warrant growing it. He found his customers ready to pay an extra price for it. Retail buyers are continually looking for something different from what can be secured from most any fakir on the street. He could sell many orchids were he assured of a dependable and regular supply, especially cattleyas when bought so they can be retailed at 75 cents a flower. Customers note the sameness of the stock of the florist and are continually asking for something different.

During the past season extra select mums were in as good demand as ever with him, but poor ones wouldn't sell at all. People would pay \$4 a dozen for fine blooms quicker than they would pay \$1 a dozen for poor ones.

Bowling.

Following are the scores and averages made at the alleys last Friday evening. A pair of suspenders was the novel prize put up by Walter Kreitling to be awarded to the one making the highest score. Mr. G. Asmus was the winner with a score of 187. Walter was requested to put up a pair of trousers as the next prize and to have them of a color to harmonize with the suspenders:

	1st.	2nd.	3d.	Av.
G. Asmus	187	117	116	140
J. Degnan	155	112	149	138
W. Kreitling	145	129	141	138
F. Stollery	144	130	141	138
G. L. Grant	132	157	126	138
A. Henderson	130	140	...	135
Jno. Zech	152	117	...	134
E. Winterson	134	...	...	134
P. J. Hauswirth	107	185	109	133
J. Hartshorne	124	144	118	128
G. Stollery	117	137	130	128
C. W. McKellar	125	...	...	125
C. C. Pollworth	116	137	112	121
J. S. Wilson	103	...	...	103
H. C. Rowe	70	90	...	84

GRAND RAPIDS, MICH.

Such weather, nothing but weather, wet, rainy, muggy, fungus-breeding weather; if it does not improve soon, it will not be as good a Xmas as it otherwise might be. Everybody is busy, too busy to even talk to you. To see the quantity of holly and greens at the grocery stores and meat shops one would not think it was scarce—yet the price is higher than formerly, 7 cents per yard as against 5 cents of last year. Southern palm crowns and leaves, needle pines and artificial palms promise this year to cut quite a figure in trade; as the church folks have discovered how cheaply they can decorate with them.

Trade prospects are very gratifying, prices stiff, stock scarce, and if the weather clears up it promises to exceed the record of last year.

Shipping trade is good, but all orders have to be judiciously pared down to make stock go round and prove satisfactory to all.

At the last club meeting the glass question was the main subject of conversation; the committee, Geo. F. Crabb, reported that the agent could give no definite answer on prices, as the tariff differed on different kinds of glass, and as the same grades even differ, according to the make of different factories, he would have to see the glass before a quotation could be made. Mr. Crabb was instructed to invite him to attend a club meeting, when more light could be had on the subject. It appears that the breakage in bulk lots, through shipments, should not exceed 3 per cent, and that the lighter the color of the glass, the more brittle, that the darker colored glass was the strongest.

A committee of three, Eli Cross, Henry Smith and Geo. F. Crabb, was appointed to look into the expense and feasibility of organizing a bowling club in order to inject a little attractive fun into the meetings.

GEO. F. CRABB.

WASHINGTON.

The Market.

Everything seems bright for Christmas trade.

Dealers report in general good business and bright prospects. Prices have continually crept up since Thanksgiving. Tea roses are bringing \$8 to \$15; Beauties, \$25 to \$75; carnations, \$3 to \$4; Romans, \$2 to \$3; narcissus, \$3; valley, \$5; violets, \$1. The market is overstocked with many inferior roses that bring \$2 to \$4, and want more at that. Greens can now be seen on almost every street corner. Farmers from far and near simply flood the market at almost any price.

Notes.

J. L. Loose is constructing right in the center of our fashionable neighbor-

hood on Connecticut ave., a fine conservatory, 100x35 feet, which he expects to have completed by the 1st of the year. It will no doubt be one of the best paying investments in the city.

One of the handsomest decorations of the season was probably the one at National Rifles' Armory, the occasion being the Ladies' night of the Mystic Shriners. Both halls were elaborately decorated with palms and wild smilax. The work was executed by A. Gude & Bro.

Representatives of Bayersdorfer & Co., H. A. Dreer, and J. C. Vaughan were in the city this week and report good holiday trade everywhere.

F. H. KRAMER.

FLATBUSH, N. Y.

Wednesday night, December 14, was a red letter date to the florist bowlers of Flatbush and their friends, the occasion being the dinner given by the Lobsters to the Clams, and the Clams wouldn't shut and the Lobsters were neither green nor red. The Flatbush Florists' Bowling Club, in order to create a greater enthusiasm among themselves, some time ago formed two teams, one called the Clams, the other the Lobsters; they were to play a series of games, the losers to provide a dinner for the crowd. The Lobsters lost, and December 14 the dinner was given, and rarely—aye, very rarely—has a more enjoyable affair been held. There was no superabundance of frills, but there were immense heaps of fun and pleasure, which florists, as a rule, too seldom see.

Papa Zeller acted as chairman of the banquet, and the man who may be looked upon as the pioneer of our business here was equal to the occasion. Messrs. W. J. Stewart, Butterfield and Donlan represented the horticultural press. Songs were sung and stories related by Messrs. Dailedouze, Schmutz, Prosser, Brennan, Werner—in fact, all present assisted in making the night one destined to remain a pleasant recollection.

GREENHOUSE BUILDING.

We have received a copy of the beautiful new "Catalogue of Greenhouses," issued by the Lord & Burnham Company, Irvington-on-Hudson, N. Y. It is really a portfolio of handsomely engraved views of greenhouses and conservatories erected by this old and well known firm of horticultural architects and builders. The variety of designs is very interesting, and the views of the iron-frame rose-houses will make every grower wish to possess such light and solidly built structures. We expect to present a few of these engravings in an early issue of the Review. The book is evidently too expensive to send out as freely as the ordinary catalogue, but intending builders can no doubt secure a copy by sending 6 cents, to cover cost of

E. H. HUNT

THE "OLD RELIABLE" FOR

WHOLESALE....

Hunt's
Flowers
Go
Everywhere.**Cut
Flowers**

76 Wabash Ave. CHICAGO.

Mention Florists' Review when you write.

ORCHIDS....

We are headquarters for imported and established Orchids of the finest quality. Also a complete line of material for Orchid culture.

Lager & Hurrell, Growers and Importers.... Summit, N. J.

Mention Florists' Review when you write.

Areca Lutescens,

COCOS WEDDELIANA,

KENTIA BELMOREANA,

LATANIA BORBONICA,

FOR PRICES AND SIZES

See Florists' Review, November 17th, page 660.

JOSEPH HEACOCK, Wyncote, Pa.

Mention Florists' Review when you write.

OUR SPECIALTY!**Rooted Cuttings of
New Varieties of Carnations.**

Special prices to those who issue lists or buy to sell again. Let us know what you are going to need.

GEO. HANCOCK & SON, Grand Haven, Mich.

Mention The Review when you write.

The Cottage Gardens,**C. W. WARD, QUEENS, L. I.**
Manager.

WHOLESALE GROWERS.

FLORISTS' SPECIALTIES.

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Brilliant Green and Bronze

Galax Leaves

CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.

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"CONTINENTAL LIMITED."

NEW FAST TRAIN EAST VIA THE WABASH.

Leaves Chicago daily at 12:02 noon; arrives Detroit 8:20 P. M., Buffalo, 5:00 A. M. New York 3:30 P. M., Boston, 5:50 P. M.—only one night on the road. Through sleeper. Ticket Office, 97 Adams Street, Chicago.

Always mention the Florists' Review when writing advertisers.

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SPECIAL ATTENTION.**W. T. BROS.**

51 Wabash Avenue, Chicago.

Wholesale Price List.**WHOLESALE
GROWERS OF Cut Flowers**

We Are Headquarters for...

AMERICAN BEAUTIES,of which we cut from 2,000 to 3,000 daily. Our **Brides, Meteors, Maids** and **Perles** were never better.**OF CARNATIONS**

we grow 50,000 plants of all the leading varieties, and they cannot be surpassed.

Am. Beauty, extra long stem, per doz.	\$12.00
" 24-in. stem	9.00
" 20-in. "	7.50
" 15-in. "	5.00
" 12-in. "	3.50
" 8-in. "	2.00
Meteor per 100	\$15.00
Bridesmaid	15.00
Bride	15.00
Kaiserin	12.00 to \$15.00
Perle	8.00 to 12.00
Carnations	4.00 to 5.00
" fancy	6.00

All other stock at lowest market prices.
No charge for packing.

Mention The Review when you write.

**New
Free-Flowering
Dwarf
Chrysanthemum****"Little
Chris"**Plants from 3-in. pots,
35 cts. each, 3 for \$1.00;
4-in., 50 cts. each, \$5.00
a dozen.**W. T. Bell &
Sons,
Franklin, Pa.**

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100,000 VERBENAS,THE CHOICEST
VARIETIES
IN CULTIVATION....

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

{ No Rust or Mildew.
Packed Light and
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

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Get your order for **ROSES, CAR-
NATIONS, PAPER WHITES,
and
ROMANS** **CHRISTMAS**
for..... in early to**Geo. A. Kuhl, Pekin, Ill.**

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**Buy from the
Advertisers** in the...
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crease the earning power of your Certificate.Always mention the **Florists' Review** when writing advertisers.

KENNICOTT

LONG DISTANCE
TELEPHONE
EXPRESS 466.

VIOLETS our specialty ←

HAVING been in this line **20 years**, we find that Price Lists are still future forecasts, and therefore quotations are only according to our best judgment. All stock is billed at **Chicago market prices.**

We are the Largest Commission Cut Flower House in the West as we represent nearly **a million** feet of glass, but make specialties of Bridesmaid, Meteor and Bride Roses, Violets, Carnations and

Bulb Stock.

VIOLETS our specialty ←

Wholesale Cut

AND FLORISTS

88 Wabash Ave.

Rooms 22 and 23.

PRICE

SUBJECT TO CHANGE

All Flowers in Season at Lowest Prices.
We always ship extra select unless otherwise ordered.

P. AND D. AT COST

METEORS, extra select.....
BRIDES, MAIDS, extra select.....
METEORS, BRIDES, MAIDS, good average.....
PERLES, extra select.....
PERLES, good average.....
ROSES, our selection.....
CARNATIONS, extra select.....
CARNATIONS, good average stock.....
CARNATIONS, our selection.....
NARCISSUS.....
ROMAN HYACINTHS.....
VIOLETS.....
VALLEY.....
SMILAX.....
ADIANTUM.....
ASPARAGUS..... per string, small.....
GALAX.....
COMMON FERNS.....
Common Ferns and Galax, 500 stems.....
CARNATIONS, such as Mrs. Bradt, Nugget, Albertini, Hill, etc.....

VALLEY, ROMA

WIRE WORK A SPECIALTY.
On Wire Goods we can discount our own or any other list.

This Year's Customers
Must Be Ours Next Year

CARNATION EVIL ROOTED

BROS. CO.

Store open until 6:30 p. m.
week days.

Until Noon Sundays and....
Holidays.

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' SUPPLIES,
CHICAGO, ILL.

LIST.
WITHOUT NOTICE.
at Market Rates.
or high-grade goods unless

	PER 100.
.....	\$15.00
.....	15.00
average	\$8.00 to 10.00
.....	10.00
.....	6.00 to 8.00
.....	5.00
.....	3.00 to 4.00
.....	2.50
.....	2.00
.....	4.00
.....	4.00
.....	1.75 to 2.50
.....	5.00 to 6.00
.....	10.00 to 12.50
.....	1.00
50c; fancy, 75c to \$1.00	
..... per 1000, 1.50	
..... per 1000, 1.50	
d at 1000 rates.	
Triumph, Jubilee, Gold	
..... 4.00 to 6.00	

NS, **NARCISSUS**

VIOLETS our specialty←

...NOTE TO GROWERS...

We are always open to handle more first-class stock. Anyone consigning to this market would do well to **write to us**, as the more control we have the **better the returns** as all florists do not want A1 stock, some requiring medium grades, giving us a chance to dispose of both ends and **therefore high averages.**

If you ship elsewhere **SPLIT** and see the results.

VIOLETS our specialty←

CARNATIONS
CARNATIONS
CARNATIONS

ANSTON

We offer rooted cuttings of this fine, new, scarlet Carnation, which is, in our opinion, the best scarlet Carnation in existence. After a three years' trial it stands at the head as a money-making commercial sort, the blooms of extra quality and produced with great freedom throughout the whole season. The color is a clear, brilliant scarlet, the growth strong, clean and robust. No scarlet Carnation will give more satisfaction or better returns than Evanston.

GUTTINGS-- \$7.00 per hundred, \$60.00 per thousand; 500 at the thousand rate.
ORDERS BOOKED NOW.

TELEGRAPH CODE.

In telegraphing orders to any of the wholesale dealers in cut flowers use the following code:

Assume—Do not answer if cannot fill order.
Abrogate—In case you cannot fill order, telegraph at once.
Anticipate—Answer at once, stating whether you can or cannot fill order.
Ambition—If you can only partially fill order, do so, and reply, stating what.
Admiral—Order must be sent on train mentioned only.
Ambulance—Want all of order filled or none, and prompt answer back.
Adjacent—If cannot send on train mentioned, next one will do.
Affable—Send prepaid by baggage master, if no express messenger on train.
Decorate—If cannot send all on train mentioned, send all you can, and send balance on next train.
Admission—This order is a substitute for my regular order.
Dancing—If cannot fill order exactly as specified, you may substitute according to your best judgment.
Ancestor—This order is an addition to my regular order.
Durable—Colored flowers must not be substituted for white.
Affection—Fill if possible, even at extra expense.
Fabricate—Flowers ordered are to be re-shipped to a distance, therefore buds must be cut specially close.
Fortunate—Select extra stock and charge accordingly.
Devotion—For cheap work, and can use second-class flowers, if at reduced price.
Flattery—If price has advanced since last quotation, do not send goods, but telegraph.
Forgery—This order countermands all previous orders.
Formation—Add these items to the order which you already have, but in case first order is already shipped, cancel this addition.
Flamingo—We are in a bad pinch; send us something to help us out, even if of poor quality.
Flocking—Have sent mail order; if not yet received, send following at once, and cancel mail order when received.
Foraging—This order includes all items previously ordered and wanted for this date.
Superior—Can use something especially fine, and am willing to pay accordingly.
Skip—If you are out, buy the best you can; we accept risk of getting "pickled" stock.
Corporal—If cannot send on night train, morning train will do.

THE CODE BELOW WILL BE USED
IN ANSWERING YOU, WHEN
NECESSARY.

Elope—Cannot fill your order to-day. Stock is scarce. Have tried to buy at other houses for you.
Lecture—Our store was closed yesterday when your telegram came. Received it this morning. Will ship by first train to-day, unless countermanded at once.
Willing—Cannot ship on train mentioned. Will send on next train possible to-day.
Eclipse—Will send part of your order. Balance scarce. Cannot get it at any price to-day.
Artistic—Cannot fill order to-day, if you want order filled (same order) to-morrow, wire us at once.
Favorite—Stock very poor, none better to be had. Will ship unless countermanded by..... o'clock.
Fundament—Stock named in this telegram has been sent, and balance, unless countermanded by telegram, will be sent on.....

SPRINGFIELD, ILL.—The forty-third annual meeting of the Illinois State Hort. Society will be held here December 27, 28 and 29.

ALPLAUS, N. Y.—Alex McBride has leased his greenhouses to Edward Fountain, who will continue the business.

SYRACUSE, N. Y.—The tenth annual meeting of the Central New York Horticultural Society was held December 21.

AURORA, ILL.—It is reported that the C., B. & Q. railway will probably erect greenhouses here to supply flowers for its dining cars.

REINBERG BROS.

800,000
FEET
OF
GLASS.

Wholesale Growers of Cut Flowers

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.
51 Wabash Ave., CHICAGO

Mention The Review when you write.

Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of
and Dealers in CUT FLOWERS

Greenhouses at Hinsdale, Ill.

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Our prices are as low as any
and our stock superior.
We ask for a trial order.

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Telephone 1496 Wholesale Florist

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In our new and enlarged quarters we are better prepared than ever to handle your orders.
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Full Line of Wire Designs and Florists' Supplies
S. B. WINTER
Successor to Winter & Glover

Write for Illustrated Catalogue.

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HIGH GRADE Cut Flowers

Properly Packed and Promptly Forwarded.
Mention The Review when you write.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.
Mention The Review when you write.

Wholesale Price List.

AMERICAN BEAUTY

Extra long stem .. per doz.	\$12.00
24-inch stem	9.00
20 "	7.50
15 "	5.00
12 "	3.50
8 "	2.00
METEOR	per 100, 15.00
BRIDESMAID	15.00
BRIDE	15.00
KAISERIN	12.00 to \$15.00
PERLE	8.00 to 12.00
CARNATIONS	4.00 to 5.00
" fancy ..	6.00

All other stock at lowest market prices.
No charge for packing.

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Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

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ST. LOUIS
Cut Flower Co.
Wholesale Florists,
1322 Pine St.,
ST. LOUIS, MO.

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ELLISON & TESSON, WHOLESALE SHIPPING FLORISTS

3134 Olive Street, ST. LOUIS, MO.

...Home Grown Stock...

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C. W. WORS, 2740 Olive Street, - - ST. LOUIS, MO. Flowers at Wholesale

ROSES, and a full line.

Headquarters for the Southwest.

F. F. BENTHEY, MANAGER.

BENTHEY & CO.,
Wholesale and Commission
FLORISTS,

41 Randolph Street, CHICAGO.

Consignments solicited.

Mention Florists' Review when you write.

Always Mention the...

Florists' Review

When Writing Advertisers.

Vaughan, McKellar & Winterson

CHRISTMAS PRICES CUT FLOWERS.

ROSES.
Brides, Maids, Meteor... per 100, 10.00 to 15.00
Kaiserin, La France... " 10.00 to 15.00
Perle... " 8.00 to 10.00
Roses, our selection... " 8.00 to 10.00

CARNATIONS.
Fancy Stock... per 100, \$4.00 to \$5.00
Ordinary Stock... " 3.00 to 4.00

CHRYSTANTHEMUMS.
Fancy Varieties... per 100, \$15.00 to \$25.00
Medium Stock... " 8.00 to 12.00
Common Stock... " 4.00 to 6.00

MISCELLANEOUS STOCK.
Violets... per 100, 1.50 to 2.50
Valley... " 4.00 to 6.00
Narcissus... " 4.00 to 6.00
Romans... " 4.00 to 5.00
Callas... " 18.00 to 20.00
Harrisli... " 20.00 to 25.00
Bouvardia... " 2.00 to 3.00

Above prices subject to change without notice.
GIVE US YOUR XMAS ORDER QUICK.

SPECIAL.

Poinsettias, good... per doz., \$8.00
select... " 4.00
extra... " 5.00

Decorative Stock.

Wild Smilax, parlor brand... \$3.75
medium case... 5.50
large case... 8.00
Asparagus Plumosus... per doz... \$5.00 to 8.00
string... 50 to 1.00
Smilax... per doz., 1.50 to 2.00
Adiantum Ferns... per 100, .75 to 1.00
Common... per 100, .15
Galax Leaves... per 1,000, 1.50
Farleyense Fronds... per doz., 1.00
We carry a good stock of above always on hand and can fill orders promptly.

Cyclamen Plants.

Good assortment colors, well flowered.
Positively none better.
Shipped direct from Greenhouses by express only.
1,000 5-inch pots... per 100, \$25.00
500 6 " " " 50.00

Holly and Green.

We will meet the quotations of any reputable Western House.

Laurel Wreathing,

\$3.00 per 100 yards.

We have fresh goods of the following:

CAPE FLOWERS,
IMMORTELLES,
PAMPAS PLUMES,
FAIRY FLOWERS,
SHEET MOSS,
SPHAGNUM MOSS,
VASES, RIBBONS,
WHEAT SHEAVES, DOVES,
TIN FOIL, TOOTHPICKS,
BASKETS, BOUQUET PINS,
VIOLET TIN FOIL, CHENILLE.

Rattan and Wire Rings for Holly Wreaths

Store open from 7:00 A. M. to 7:00 P. M.
Sundays and Holidays, 7:00 A. M. to Noon.
All orders packed with the greatest of care and shipped on time.

VAUGHAN, MCKELLAR & WINTERSON,

Tel. Main 1129.

45-47-49 Wabash Avenue, CHICAGO.

Mention The Review when you write.

Cincinnati Cut Flower Co.

416 Walnut St. Wholesale Florists
CINCINNATI, O.

Consignments Solicited.
Special Attention Given to Shipping Orders.
Mention Florists' Review when you write.

Max Rudolph

WHOLESALE FLORIST,
11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.
Mention The Review when you write.

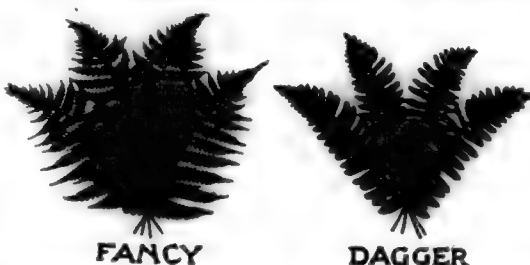
...LOUISVILLE...

Florists' Supply and Exchange

Wholesale Florists and
dealers in Florists' Supplies
Special facilities for shipping south. Unequaled
returns for good stock. Open night and day.
520 W. Jefferson St., Louisville, Ky.
Mention The Review when you write.

Maplewood Cut Flower and Plant Co.

GEO. M. KELLOGG, Pres.
Growers of CUT FLOWERS at Wholesale.
Regular shipping orders given special attention. We
have the largest plant west of Chicago.
Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.



HARDY FERNS.

WARRANTED FIRST QUALITY.

Special attention paid to supplying Whole-
sale Dealers. Write for prices.

ALSO DEALER IN

BOUQUET GREEN, SPHAGNUM MOSS, CHRISTMAS TREES, Etc.

L. B. BRAGUE, Hinsdale, Mass.

Oldest, largest and most reliable dealer in the United States.

Mention The Review when you write.

HOLTON & HUNKEL CO.

Wholesale Florists
And Florists' Supplies.
Phone 874. WIRE DESIGNS—OUR OWN MAKE
457 Milwaukee St.
P. O. Box, 103. Milwaukee, Wis.
Mention The Review when you write.

Smilax for Xmas

Why use poor Smilax? Get the best.
I have 16,000 feet of glass solid in Smi-
lax. Orders taken now for Xmas.
Write for prices, etc.

H. TONG, 18 Nathan St., Ashtabula, Ohio.
Mention The Review when you write.

ANTON SCHULTHEIS, P. O. Box
78...
College Point, Queens Borough, N. Y.
HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity
Come, see Ericas (Heather), also Full
and con- Line of Other Flowering Plants
vince yourself. Price List on Application.

Mention Florists' Review when you write.

NEPHROLEPIS Fine, Strong,
CORDATA 3½-inch plants,
COMPACTA. 4-inch plants,
\$7.50 per 100.
\$15.00 per 100.
Cash with order.

H. HILMERS,
Box 650. BLUE ISLAND, ILL.
Mention The Review when you write.

SAMUEL S. PENNOCK, WHOLESALE FLORIST

OPEN DAY AND NIGHT—From 12 A. M., Mondays to 10 P. M., Saturdays.

A constant supply of **SELECT VALLEY** the year round.
AMERICAN BEAUTIES OUR SPECIALTY.**1612-14-16-18 Ludlow St., Philadelphia, Pa.**

Mention Florists' Review when you write.

WESTERN PENNA. HEADQUARTERS FOR EXTRA FANCY STOCK.

PITTSBURG CUT FLOWER CO., Ltd.**705 Penn Avenue, PITTSBURG, PA.**Long Distance
Phone 2157.**Wholesale Florists.**Write for Price List.
Consignments
Solicited.

Mention The Review when you write.

CLEVELAND.

Business promises to be better than ever with usual Christmas prices.

The palm swindler has struck town and introduced himself through Bro. Chas. Erhardt in the same old way. He ordered a load of palms to be sent to a prominent Euclid avenue lady. She said she had given permission to a man to leave the palms on the back porch for a short time. We do not know if it was the same man who called on Mr. Fetters, of Smith & Fetters, purchased \$3 worth of flowers and presented a check for \$15 from one of the best firms in town, getting \$12 change. The next day the check would not take root.

Mr. Gasser has very fine azaleas in his store today, about the only ones in town.

Ella Grant Wilson has opened on the avenue for the holidays.

O. A. C. O.

COUNCIL BLUFFS, IA.—The firm of McPherson & Frey has been succeeded by J. R. McPherson.

TOLEDO, O.—The park board has rejected all bids for the construction of the new greenhouses. New bids will be called for on smaller buildings. It is the intention of the board to expend not more than \$7,500 for the buildings.

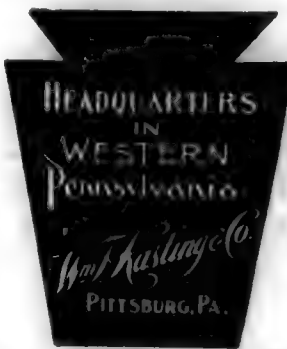
WELLINGTON, KAN.—Hiram Myers has enlarged his greenhouse and heating capacity.

TOUGHKENAMON, PA.—Fire did considerable damage to the greenhouses of Simon Pyle December 4.

LOS ANGELES, CAL.—The Redondo Floral Company is now located in its handsome new building at 246 So. Spring street, where they have the coziest sort of reception room, salesroom and shipping depot. Mr. John Schlaos is in charge of the office.

ROSES,
Carnations,
VALLEY,
FERNS,
GALAX and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

Consign-
ments of
good stock
solicited.



We get
daily new
customers
because
we have
the
reputation
that
all orders
are
punctually
filled.

Long
Distance
Telephone
2985.

**WHOLESALE FLORISTS,
444 Sixth Ave.**All kinds of **FLORISTS' SUPPLIES** and
WIRE DESIGNS always on hand.

Mention Florists' Review when you write.

KELSEY'S SOUTHERN**Galax Leaves**

Brilliant Green and Bronze.

Information of the Introducer,

HARLAN P. KELSEY,Prop. Highlands Nur- 1106 Tremont Bldg.,
sery in North Carolina. BOSTON, MASS.

Mention The Review when you write.

Cut Flower Exchange,

404 - 412 East 34th St., New York,

NEAR THE FERRY.

Open Every Morning at 6 o'clock for the sale of
CUT FLOWERS.

Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

Mention The Review when you write.

E. G. Hill & Co.**Wholesale
Florists,****RICHMOND, - INDIANA.**

Mention The Review when you write.

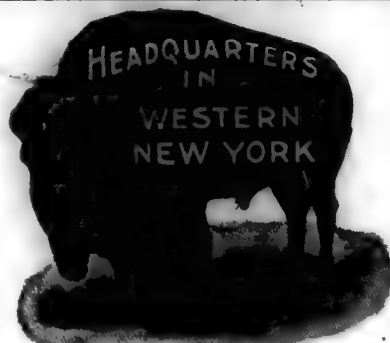
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GIVE US
A
TRIAL.
WE CAN
PLEASE
YOU.

Roses,
Carnations
and all
kinds of
Seasonable
Flowers
in stock.



WM. F. KASTING, Wholesale Com-
mission Florist.
495 Washington St., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire
Designs.

Mention Florists' Review when you write.

**WM. J. BAKER,
WHOLESALE
CUT FLOWERS,****1432 S. Penn. Square, PHILADELPHIA, PA.**Original Headquarters for **CARNATIONS.**

Mention The Review when you write.

**WM. C. SMITH
Wholesale Florist,****1604 Ludlow St. PHILADELPHIA.**

LONG DISTANCE PHONE.

Consignments of Choice Stock Solicited.

Our central location enables us to fill out-of-town or-
ders at short notice.

Mention Florists' Review when you write.

EDWARD REID,**Wholesale
Florist,**LONG
DISTANCE
PHONE.**1526 Ranstead St., PHILADELPHIA, PA.**

Mention The Review when you write.

American Rose Company,

Specialists in

**HAND FERTILIZED
CARNATION SEEDS**

from named varieties.

WASHINGTON, D. C.

Mention Florists' Review when you write.

Rose Hill Nurseries.**Palms, Orchids, Roses, Ferns****AND FOLIAGE PLANTS.**

Largest stock in America.

SIEBRECHT & SON,**New Rochelle, N. Y.**

Mention Florists' Review when you write.



51 Wabash Ave. CHICAGO.
W. S. HEFFRON, Mgr.
Price List taking effect Monday, Dec. 26.

ROSES.

Am. Beauties, long, per doz.....	\$5.00—	\$8.00
" medium, per doz.....	4.00—	6.00
" short,	1.50—	2.50
Meteors, Maids, Brides and Kaiserin,		
per 100,	8.00—	10.00
Perles.....	4.00—	6.00
Roses, seconds, average.....	4.00—	

CARNATIONS

Are Our Specialty.

Fancy varieties, fancily grown.....	per 100,	\$4.00
Ordinary varieties, fancily grown ..	"	3.00
Ordinary varieties, average stock....	"	2.00

Miscellaneous.

Alyssum.....	per 100,	\$.50
Marguerites	"	1.00—
Callas	per doz.,	2.00—
Harrisii	"	2.00— 3.00
Romans	per 100,	8.00—
Narcissus	"	8.00— 4.00
Stevia, very fine	"	1.50
Valley	"	5.00—
Violets	"	1.50— 2.00

Decorative.

ASPARAGUS.

Per string.....		\$.60
-----------------	--	--------

FERNS.

Per 100, 20c	per 1,000,	\$1.50
Original cases, 4,000 to 6,000.....	"	1.25
Maiden Hair.....	per 100,	\$1.00—

GALAX.

Bronze and Green, per 100, 15c	per 1,000,	\$1.00
Original cases, 10,000.....	"	.75

SMILAX.

Common, very fine	per doz.,	\$1.50
Wild, Parlor Brand case.....	"	3.75
" Medium case	"	5.50
" Large case	"	8.00

All other flowers in season at lowest market rates.

Above quotations are subject to change without notice. P. and D. at cost.

Use the code. It will save you money. We know what it means. Get your orders in as early in the day as possible.

Store open from 7:00 A. M., until 6:30 P. M. Sundays and Holidays closed at noon.

Mention The Review when you write.

Chrysanthemum Stock Plants.

FIFTY-THREE

COMMERCIAL VARIETIES.

Send for price list.

American Rose Co., Washington, D. C.

Mention Florists' Review when you write.

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The Harrisii Disease

can be prevented by immersing the bulbs
for 5 hours in a half solution of.....

..Kraft's Plant Tonic.. 99%

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills **Hard Shelled Scale, Mealy Bug**, and other insect pests without injury to the plant. A trial of a 25-cent bottle will convince you that a really remarkable insecticide has been discovered. Send for circular.

Kraft Plant Tonic Co., → **Rockford, Ill.**

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SPECIAL OFFER of.....

Large ARECA LUTESCENS.

ELEGANT SPECIMENS, and of such form and character that they can be recommended for any purpose. All have been grown "cool," and are tough and hard. Very bushy (several plants in a pot). The shorter plants are most bushy.

8-inch pots, standing 3½ to 4 feet	\$2.00	10-inch pots, standing 5½ to 6 feet	\$7.00
8 " " " 4 to 4½ "	2.50	12 " " " 5½ to 6 "	8.00
10 " " " 4½ to 5 "	3.00	12 " " " 6 to 7 "	10.00
10 " " " 4½ to 5 "	5.00	12 " " " 6 to 8 "	12.00
10 " " " 5 to 5½ "	6.00	12 " " " 7 to 8 "	15.00

For full line of Palms, etc., send for Wholesale Price List.

CHAS. D. BALL, Holmesburg, Philadelphia, Pa.

M. RICE & CO.

NEW ILLUSTRATED CATALOGUE
FOR THE ASKING.

Exclusive Importers and
Manufacturers of

Florists' Supplies

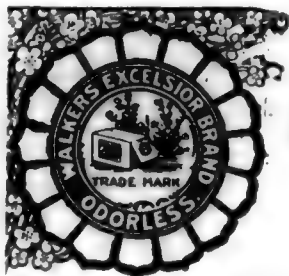
25 N. Fourth Street, PHILADELPHIA, PA.

Mention The Review when you write.

F. & F. NURSERIES, SPRINGFIELD, NEW JERSEY

Wholesale Growers TREES and PLANTS in Full Assortment.TRADE CATALOGUE FREE.

Mention The Review when you write.



**100% Profit
For You**

and entire satisfaction for your customers.
What more does anybody want?

WALKER'S PLANT FOOD

ABSOLUTELY ODORLESS

is an ideal food for house plants. Send for free literature and price lists.

FLOWER CITY PLANT FOOD CO., Rochester, N. Y.

Mention The Review when you write.

CARNATIONS.

H. WEBER & SONS, - OAKLAND, MD.
Mention The Review when you write.

PANSIES WORTH RAISING

Good Small Plants from cold frames or greenhouse only, at \$4.00 per 1000. All others not accessible at present. Cash with order. SEED as usual.

C. SOLTAU & CO., 199 Grant Ave., Jersey City, N. J.

Mention The Review when you write.

Palms, Ferns and House Plants:

AND HOW TO TREAT THEM.

A New 16-page Envelope Size Catalogue to be given to customers.

It will gain business for you. **SAMPLE FREE.**

Dan'l B. Long, Publisher, Buffalo.

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When Writing Advertisers.

DUBUQUE, IA.

It appears that in the case of the palm swindler here a trap had been laid for him and he would have been caught but for the action of the hired man at the residence mentioned.

When he appeared at the store, Mr. Harkett knew he did not belong with the household of the customer and suspected the order was a scheme, so he sent one son with the plants with the swindler and then despatched an older son to see that the fellow was caught if crooked as suspected. Arrangements were made to leave the plants and then nab the crook when he attempted to remove the plants. The actions of the hired man, though, gave the fellow warning and he succeeded in escaping through a rear door, though the police were on his track in a very short time.

ABOUT JADOO.

Florists' Publishing Company, Chicago. Dear Sirs: Herewith I hand you postoffice order for \$1, to pay for the Florists' Review for the coming year. Respectfully yours,

M. S. WORDEN, Florist.
North Adams, Mass., Dec. 17, 1898.

P. S.—Seeing there is so much talk about Jadoo lately, I cannot help but say a word in its favor. The one thing I use it mostly for is growing callas, using a little over one-third Jadoo to balance of soil, and everyone that comes into my house remarks at the amount of bloom I get from them, which is something wonderful, for I have never been able to get such an abundance of flowers until I began using Jadoo.

NEWPORT, R. I.

There is talk among the members of the Newport Horticultural Society relative to building a large hall, such as the demands of the city call for, in which would be a small stage and a balcony. The members, or rather those who are setting to work to inaugurate the movement, believe that the opportunity was never more encouraging than at the present time.

BALTIMORE, MD. — The annual meeting of the Maryland State Hort. Society was held in this city December 14 and 15.

EUCLID, O.—The thirty-second annual meeting of the Ohio State Hort. Society was held here December 7, 8 and 9. The program was an unusually interesting one.

DES MOINES, IA.—I. W. Lozier has opened a store at the corner of East Sixth street and Grand avenue. His son, A. G. Lozier, is in charge.

DENVER, COL.—Fire did damage amounting to \$2,500 at the Gallup greenhouses December 9.

DREER'S SUPERB... Double Fringed Petunias



FOR thirty-five years we have made a Specialty of the PETUNIA. This year we again offer a set of fifteen varieties, unsurpassed either in this country or abroad. The plants are well established in three-inch pots, full of vigor and will furnish quantities of cuttings in a short time.

These plants must not be compared in price with rooted cuttings or plants just potted off. The set is

composed of the finest colors, especially suited for the retail trade. \$1.00 per doz.; \$8.00 per 100. The set of 15 varieties for \$1.25. DOUBLE FRINGED PETUNIA SEED, our own saving, 75 cents per 500 seeds; \$1.50 per 1000 seeds.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

Mention The Review when you write.

Herr's Carnations.

YOU RUN NO RISK.

All Carnation Cuttings are sent out with the privilege of returning them at my expense if they are not found satisfactory on receipt and your money returned in full.

I have from 1,000 to 5,000 stock plants of each of the leading varieties, and offer Rooted Cuttings at very reasonable prices. Correspondence solicited.

ALBERT M. HERR,
LANCASTER, PA.

Mention The Review when you write.

GERANIUMS. S. A. Nutt, Marvel, and other standard varieties, 2-inch pots, \$2.00 per 100.

ASPARAGUS SPRENGERII. Strong plants, 2½-in. pots, \$8 per 100

BOUGAINVILLEA. Large, bushy plants, 4-inch pots, \$10.00 per 100.

CARNATIONS all sold.

NATHAN SMITH & SON, Adrian, Mich.

Mention Florists' Review when you write.

WESTERN FLORISTS.
Stock Chrysanthemums

Best standard sorts, \$1.00 per doz.
W. H. Chadwick, Frank Hardy, Merry Christmas, Yellow Fellow, etc., 25 cents each.
Write us your wants in the Florist's line.

L. J. STUPPY, ST. JOSEPH, MO.

Mention Florists' Review when you write.

ROOTED CUTTINGS.

and other stock.

Verbenas.
Petunias.

Cuttings are fine and prices low.
Send for price list and samples. Exp. prepaid.

S. W. PIKE, St. Charles, Ill.

Mention Florists' Review when you write.

Always mention the Florists' Review when writing advertisers.

50,000 Rooted Cuttings

	Per 100
Begonia Incarnata Gigantea.....	\$2.00
" Rex, mixed, Mrs. Pollock.....	2.00
" Rex, 30 named varieties.....	4.00
Coleus, 50 varieties.....	1.00
" mixed.....	\$5.00 per 1,000..... .80
" separate colors, 6.00.....	.75
Ageratum, Geraniums, mixed.....	1.00
Geraniums, separate kinds.....	1.50
" bronze, lemon verbenas.....	1.50
" silver leaf, rose scented.....	1.50
" Mme. Sallerii, Vinca var.....	1.25
Impatiens Sultana, assorted.....	2.00
Pelargoniums, assorted, named.....	4.00

POTTED PLANTS.

Begonia Incarnata Gigantea.....	2½-in. 4.00
" Rex, mixed.....	4.00
" Rex, 30 named varieties.....	6.00
Cinerarias, best strains.....	3.00
Asparagus Plumosa Sprengeri.....	6.00
Impatiens Sultana.....	3.00
Geraniums, Silver Leaf.....	4.00
Lemon Verbena.....	4.00
Forget-me-not, winter flowering.....	3.00
Vincas Var., 2-inch, 3-inch, extra.....	\$2.00 to 4.00

Write for prices on other stock or for large quantities. Terms Cash or C. O. D.

GREENE & UNDERHILL,
Watertown, N. Y.

Mention Florists' Review when you write.

INSURE AGAINST FIRE

Florists' Mutual
Fire Insurance Ass'n.

ADDRESS W. J. VESEY, Sec'y,
FORT WAYNE, IND.

Mention Florists' Review when you write.

LARGE-FLOWERING

CLEMATIS.

Strong, 1 year old plants, from 3-in. pots, \$10.00 per 100 of all the leading varieties. Stock shipped now or orders booked for Spring delivery.

GEORGE BROS., - EAST PENFIELD, N. Y.

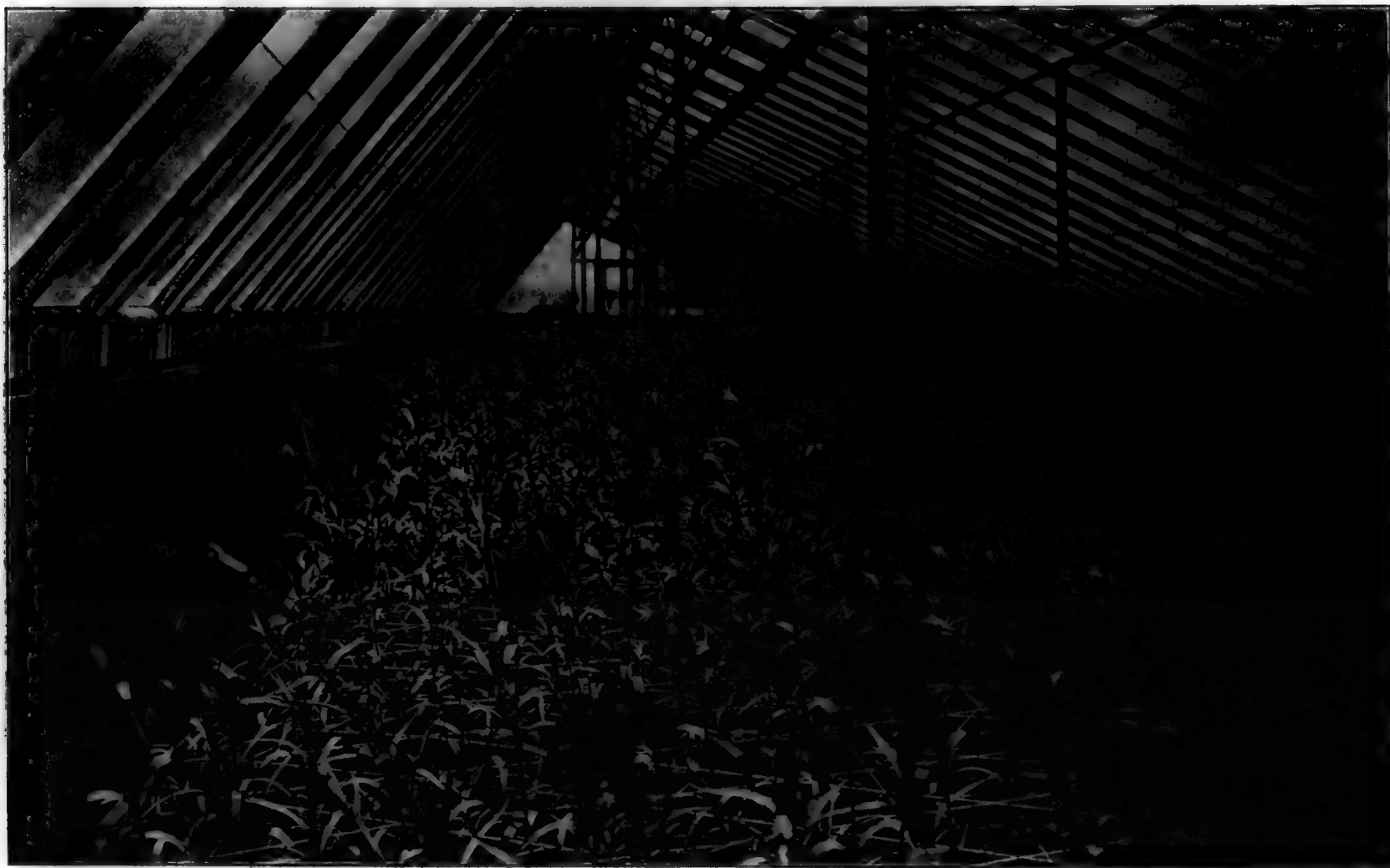
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DORNER'S NEW SCARLET CARNATIONG. H. CRANE....



Photographed December 6th, 1898. Planted September 1st, 1898.

THE COMING SCARLET CARNATION. No other will equal it. Tested three years and will stand as one of the most profitable commercial Carnations. Wonderfully productive, and an early, continuous all-season bloomer. Easy to lift and quickly established, strong growing, robust, clean, well formed, bushy plants; producing full, rounded, deep, clear, brilliant scarlet average three-inch blooms, on 16 to 18-inch stiff stems that **never** have a failing to weakness. The calyx is one of its strongest points, as they never show any bursted flowers. Good substance and excellent keeper. We recommend it to every grower. Received American Carnation Society certificate, scoring 92 points, at Chicago, February, 1898. Certificate and Silver Medal at Chicago and Certificate at Indianapolis, November, 1898.

ROOTED CUTTINGS, \$2.00 per dozen, \$10.00 per hundred, \$75.00 per thousand.

Gen. Maceo. (Ward.) Deep, brilliant scarlet, heavily overlaid with maroon; one of the darkest and richest shades in Carnations. $2\frac{1}{2}$ to $2\frac{3}{4}$ -inch blooms. Long, stiff, wiry 12 to 18-inch stems. A most profuse and abundant bloomer. Habit—erect, stiff and wiry, of McGowan type but much improved over the growth of that variety. The best and most profitable dark Carnation grown.

\$2.00 per dozen, \$10.00 per hundred, \$75.00 per thousand.

Gen. Gomez. (Ward.) Brilliant cardinal maroon, $2\frac{1}{2}$ to $2\frac{3}{4}$ -inch blooms. Fine stems 16 to 24 inches long. Strong, vigorous, healthy habit, blooming as freely as Portia. Strong calyx, not inclined to burst. No crimson Carnation possesses such a vivid, brilliant shade of color.

Stock limited. \$10.00 per hundred.

Send for complete price list of Carnation Novelties and all standard varieties. Ready January 1st.

F. Dorner & Sons Co., La Fayette, Ind.

BALTIMORE.

The first annual meeting of the Maryland State Horticultural Society was held in this city December 14 and 15.

While the major part of the program was devoted to the interests of the fruit growers and truckers, the florists were not overlooked, and a paper was read by Mr. E. A. Seidewitz, president of our local club, entitled, "What we hope for." He referred to the progress made by the florists through their local and national organizations and said: "While our hopes also lie in the fact that we may gain more enlightenment as to the cultivation of plants by studying their habits and wants, we also hope that we may enjoy at least a part of our enlightenment in the conversion of the same into hard cash."

Mr. Richard Vincent, Jr., of White Marsh, who is a vegetable gardener as well as a florist, read a paper entitled, "Some observations on the trucking interests of Maryland."

BUILDING AND HEATING.

Hitchings & Co., of New York, send us copies of their catalogues, entitled "Modern Greenhouse Construction" and "Greenhouse heating and Ventilating Apparatus." The former contains numerous sectional drawings showing their various styles of iron-frame and all-wood construction, together with a host of fine half-tone engravings from photographs of greenhouses and conservatories erected by them in various parts of the country. In view of the fact that this well known firm was established in 1844, it is not surprising to find the very greatest variety of styles among the examples of their work shown, and all are most interesting to anyone in the trade. Intending builders should not fail to have a copy, which, we understand, will be sent on receipt of 4 cents, to cover postage. The other catalogue illustrates and describes their various styles of heating and ventilating apparatus, and is sent on the same terms as the other.

OGDEN, UTAH.—The damage to the greenhouses of F. J. Hendershot during the recent heavy storm was so great that he will not attempt to re-establish the business. The plants were all frozen before repairs could be made.

PITTSFIELD, MASS.—The wife of John White, the florist, died December 13 of heart failure, aged 58 years. Mr. White has the sincere sympathy of his many friends in the trade.

BINGHAMTON, N. Y.—R. J. Shore, Jr., who has been assistant gardener at the university greenhouses at Ithaca, N. Y., has been appointed florist at the State Hospital, this city. He begins his work here about February 1 next.

BUY Jadoo Fibre and Liquid!

TRY Jadoo Fibre and Liquid!

Use it according to instructions.

Form your own opinion from the results obtained. Good commercial plants can be raised by the use of one-third Jadoo Fibre, and they will be better plants than can be grown in any known compost.

SEND FOR OUR CATALOGUE.

The American Jadoo Co.

817 Fairmount Ave. PHILADELPHIA, PA.

For Sale by ALL PROMINENT Seedsmen and Dealers.

Mention The Review when you write.

JUST ARRIVED from

FRANCE -- Roman Hyacinths, Narcissus, Freesias, etc.

JAPAN -- Lilium Longiflorum, all sizes. Crop short.

HOLLAND -- Hyacinths, Tulips, Narcissus, Crocus, etc.

CHINA -- Chinese Sacred Lilies.

On hand:—Extra selected **Lily of the Valley**, 2,000 in a case \$24.00

From cold storage:—A fine lot of **Araucarias**.

State quantity needed and prices will be cheerfully given by

F. W. O. SCHMITZ, - - JERSEY CITY, N. J.

Mention Florists' Review when you write.

Burpee's Seeds Grow

"The Orchid Hybrids"

Record of over 3,000 crosses;
334 pp., Royal octavo.

Forwarded registered mail \$3.00 by
upon receipt of

GEO. HANSEN, Berkeley, Cal.

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1840 Old Colony Nurseries. 1899

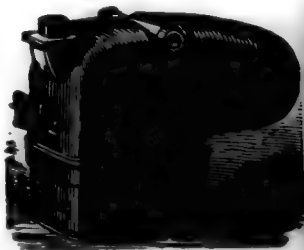
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HARRISBURG, PA.—The Paxton Greenhouses, formerly conducted by Carl Taube, have been purchased by G. Hansen, who was for many years employed at the government greenhouses in Washington.

ANN ARBOR, MICH.—The Michigan State Hort. Society held its annual meeting here December 6, 7 and 8.

GALVA, ILL.—The thirty-second annual meeting of the Hort. Society of Northern Illinois was held here December 13 and 14.

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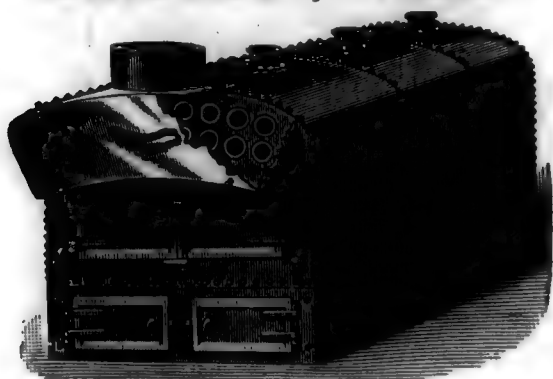
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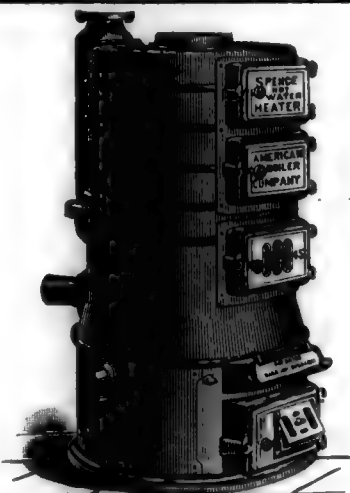
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THE WEEKLY FLORISTS REVIEW

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Vol. III.

CHICAGO AND NEW YORK, DECEMBER 29, 1898.

No. 57.

ORCHIDS.

[From advance sheets of the Florists' Manual, by William Scott.]

[Continued from issue of Dec. 15.]

CYPRIPEDIUM.—This peculiarly interesting genus is of easy culture. They may be grown in either pots or pans, in equal parts of good, fibrous peat and live sphagnum; a little broken charcoal is beneficial, as it pre-

vents the compost from becoming sour. You can feed liquid manure to the strong growing varieties and it will materially help them if they are well rooted. They like plenty of water during summer, their growing season, and being evergreen and having no bulbs to feed from, should never be allowed to suffer from lack of it. Do not overshadow cypripediums, as

they delight in a strong light. Most all varieties require a warm temperature. The following are the best for commercial purposes:

Cypripedium insigne is a cool house species, but can be grown in a warm house. It is a profuse bloomer if well cared for, flowers in winter, and lasts a long time in perfection. It is very beneficial to put it outside for three months in summer, slightly shaded and well watered.

Cypripedium Harrisianum, a fine hybrid, often flowering twice a year, is a fine bloomer and stronger grower than most cypripediums, therefore requires plenty of pot room and should be grown in a warm house.

Cypripedium Lawrenceanum, another species requiring a warm, moist atmosphere, is a good bloomer, with bold, straight stems and beautifully marked flower. Blooms in summer and autumn; do not over-pot it.

Cypripedium Spicerianum, which I consider the queen of the genus, is a very free grower and good bloomer, and is a great favorite in the cut-flower market. It requires a warm temperature, flowers in early spring, and lasts a long time.

Cypripedium villosum, a grand species from India; similar in color to *Insigne*, but the flowers are much larger, and have the appearance of being varnished. This is a very useful sort, as it will thrive in either a cool or warm house, and should be in every collection. It is a very strong grower, requiring plenty of pot-room.

DENDROBIUM.—The members of this genus are almost numberless, and include some of the most beautiful, as well as the most useful, orchids for the cut-flower trade. They can be grown in pots or baskets, with plenty of drainage and a compost of good, fibrous peat and live sphagnum, with some broken charcoal or potsherds mixed with it. They require a warm



Cypripedium Insigne.

temperature during their growing season, with plenty of water, but several species, such as *Wardianum*, *nobile*, *Devonianum*, etc., should be moved to a cool house as soon as they have stopped growing, and left there until their flower buds are well advanced, when they may go into a little warmer house to flower. If this treatment is followed up you will be seldom, if ever, disappointed in the results of your labors. Watch for the thrip on these plants, as they soon destroy them if allowed to remain.

Dendrobium Wardianum, a beautiful

and produces its beautiful, large flowers of pure white, with yellow blotched lip on the top of the stems, from two to five flowers on a spike. This variety needs but little rest and should certainly be grown in a basket and suspended in the warmest house. This is another sort that should never be over-potted, and must always be well drained.

Dendrobium Devonianum is a magnificent species, and is best grown in a basket. Give abundance of water in the growing season and freely syringe the foliage at least once a day in hot

to shrivel. The flowers last about a week in perfection.

LAELIA.—Of this genus only two species are useful to the commercial grower.

Laelia anceps. This can be well grown on a block of hard wood with a little fibrous peat fastened at the back of the plant, which should be firmly fixed on with copper wire. It can also be grown in a suspended basket. Use a compost of good, clean peat, charcoal, and live sphagnum moss, and keep well drained. This is a grand species, with long flower spikes, which last a month if kept in a cool house. Give plenty of water during the growing season, which is from about April to November. It is a free bloomer and blooms in January and February. It will grow well in a cattleya house, but can be grown considerably cooler.

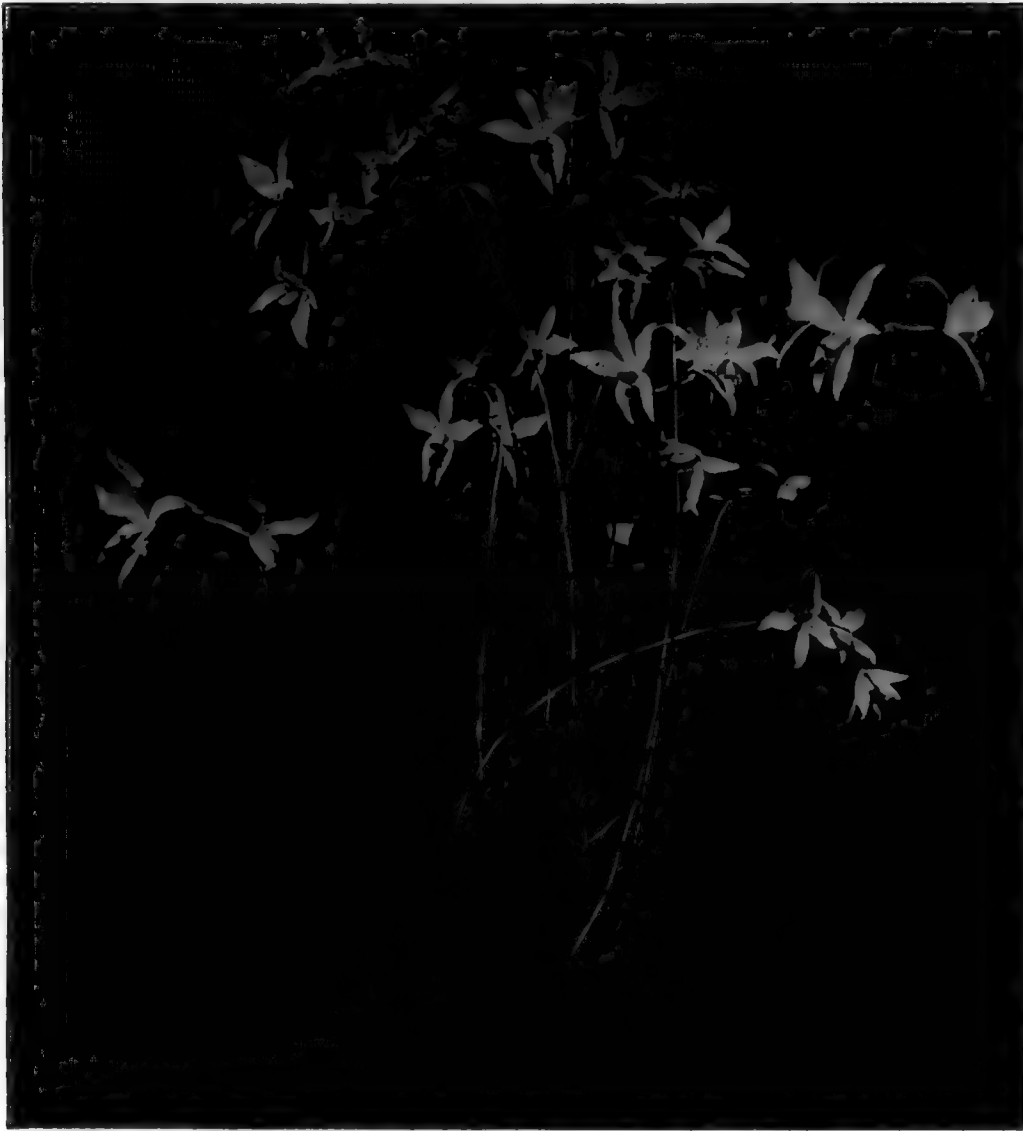
Laelia purpurata, a magnificent species from Brazil, in form resembles a cattleya, and requires about the same treatment. It can be grown in either pot or basket, has a grand spike of beautifully marked flowers, with crimson purple lip. Do not over-pot it and watch out for white scale. This species should be in every collection.

LYCASTE.—This genus is of easy culture and can be grown best in a cool or intermediate house. Pot in a compost of good, fibrous peat and a little sphagnum and broken charcoal. Give abundance of water during their growing season; in fact, this plant should never be allowed to become too dry at the roots, even during their season of rest. The growing season is from about April to October.

Lycaste Skinnerii, a native of Guatemala, is undoubtedly the best species, blooming freely, as it does, during the winter months, with fine, erect, beautifully marked flowers of white, rose colored, and crimson, and they last a long time in perfection. Care should be taken to keep the flowers free from damp or they will soon become discolored or destroyed.

Lycaste cruenta is a very free flowering species from Guatemala, blooms about April, and has a very pleasing, aromatic odor. It requires the same treatment as the preceding.

ODONTOGLOSSUM.—This is a grand genus of orchids, probably the most interesting of all. They can all be grown in pots, with plenty of drainage and abundance of water during their growing season; in fact, they should never be allowed to become dry enough to allow the sphagnum to lose its beautiful, fresh green color, even in winter. They grow well potted in good fibrous peat, with a liberal top dressing of good, green sphagnum, which should be removed as soon as decayed and replaced by fresh; this sometimes has to be done twice a year. They delight in a cool, moist atmosphere, and plenty of air in summer, and in winter, when possible. A northern aspect suits many of them, as they do not like the sun, and should in any case be shaded from its direct rays. A good



Laelia Anceps.

species from Assam, is perhaps the best. It is a very strong grower and good bloomer if above instructions are followed, but be sure you do not over-pot this species, as nothing is more injurious to it. It blooms in early spring and lasts a long time if kept cool and dry. It should be grown in a basket, suspended.

Dendrobium nobile is a well known old species from India, requiring the same treatment as *Wardianum*, but can, if necessity requires, be grown cooler and kept back, or forced into flower, as desired by the grower, at any time from December to May.

Dendrobium formosum giganteum, a beautiful variety, differs somewhat from the preceding, as it is evergreen

weather, to keep down the thrip, which is particularly partial to this sort. It is by many considered hard to grow, but by following the above directions you can grow it just as well as *Wardianum*. It flowers in May or June, and they last about two weeks in perfection.

Dendrobium densiflorum is another erect-growing species from India, and grows best in a pot, but can be grown in a basket in good, fibrous peat and but little sphagnum. It blooms in April or May, the large clusters of beautiful yellow flowers being in form like a bunch of grapes. This species requires a long rest after the bulbs are grown, but do not allow the plant



Odontoglossum Rossi Majus.

syringing with a fine rose twice a day in summer and once a day in winter on all bright days is very beneficial to them. A temperature of 45 to 50 degrees in winter suits them admirably, with but few exceptions. They should on no account be over-potted, and must be always well drained. They all flower from the side of the bulb. Watch for slugs and snails, as they eat the tender flower spike very often. Cotton batting placed about the flower spike is a good preventive. They are also subject to thrip if allowed to get dry.

Odontoglossum Alexandrae (crispum), a most beautiful variety from Bogota, one of the best cool house orchids, has a very graceful spike of pure white flowers, blotched with irregular cinnamon spots. The plant blooms in fall and early winter.

Odontoglossum vexillarium (sometimes called *Miltonia vexillarium*). This grand species grows best in the cattleya house, but should have the direct rays of the sun kept from it. Elevate the plant well on the pot and use only the best fibrous peat and good, clean sphagnum, and plenty of drainage. This species comes from Brazil and blooms freely during summer and autumn under proper treatment. The flowers are large, rosy pink, and very distinct. They last a long time if kept free from damp.

Odontoglossum cirrhosum, a magnificent species, that is a native of Ecuador, and produces a very fine spike from 12 to 18 inches long of beautifully marked flowers, pure white, with heavy cinnamon spots. It grows best in a cool house and should surely be in every collection.

Odontoglossum citrosum, a truly beautiful species that comes from Guatemala, and differs materially from the preceding. It is best grown in a basket, suspended in the cattleya house, as it produces long, drooping flower spikes of pure white ground, with almost invisible lavender spots; blooms in June or July.

Odontoglossum maculatum, a charming species that also comes from Guatemala, and produces its beautiful, erect spikes of yellow and crimson flowers during the winter. Grow in a pot in the cool house.

Odontoglossum Phalaenopsis, one of the best of the genus if properly grown, and should be in every collection. It grows best in the cattleya house and should be grown in a pot well drained. This is a very distinct species, with very large, perfectly flat white and crimson flowers, which are produced during the autumn months.

Odontoglossum grande, a beautiful, free flowering species, that comes from Guatemala and is commonly known as the "Baby Orchid." It grows best in a pot, blooms in autumn and winter, the flowers lasting a very long time. It produces an upright, stiff stem, with from three to five large tiger-striped yellow and brown flowers. It is subject to thrip if allowed to become dry. Should be grown in the cool house.

Odontoglossum Rossi majus, a sweet little variety from Mexico. It grows best on a block, with a little fibrous peat and abundance of water. It is a very free bloomer, with short spikes of two or three beautifully marked crimson and white flowers. A very

suitable variety for boutonnières. It deserves a place in every collection.

ONCIDIUM.—This interesting genus is perhaps the most useful commercially of any for its gracefully delicate spikes of beautifully marked flowers, some of which can be had at all times of the year under proper cultivation. Most of them like the temperature of the cattleya house, but can be grown in cooler quarters if care is observed in watering. *Oncidium*s do not like much water on the foliage, but require plenty of moisture in the atmosphere as well as free ventilation. Many sorts grow well on blocks, with sphagnum moss or good, fibrous peat at the back of them, and firmly fastened with strong copper wire. All varieties delight to be suspended as near the glass as practicable, but must be shaded lightly. They like plenty of water at their roots in their growing season, and those grown in pots or baskets require an abundance of drainage. They can be grown in either peat or sphagnum, or both, but I prefer the latter for most sorts, with some broken charcoal. During their resting season water very carefully, but on no account allow them to suffer for want of it. Most species are subject to the white scale and should therefore be watched. Slugs are very partial to the young, tender flower spikes, and a small piece of cotton batting should be tied around them to save them from the depredations of these pests.

Oncidium ampliatum majus is, I think, a native of Guatemala, and produces its large, branching spikes of beautiful yellow flowers in spring, and continues blooming for at least six weeks if in robust health. It grows best in a pot or basket, but can be grown on a block if plenty of water is given.

Oncidium incurvum, a pretty Mexican species, blooming very freely in winter, has long spikes of white and brown flowers. Grows best in a pot, with the same treatment as the above.

Oncidium crispum, a grand dwarf species from Brazil, grows best on a block with a little sphagnum or fibrous peat, loves moisture and does well in the cattleya house or any house maintaining a night temperature of 55 to 60 degrees; blooms generally in summer; has a large, branching spike of yellowish copper color; is very attractive and lasts about three or four weeks.

Oncidium reflexum, a fine old species from Mexico, produces numerous spikes of beautiful yellow flowers during autumn. It is a general favorite with both grower and purchaser and should be grown by all orchid growers.

Oncidium varicosum is a good species for all to grow, as it is a very free grower and good bloomer. Grows best in a flat pot or basket, in a warm house, suspended; has a fine spike of canary yellow flowers; very imposing in appearance; is a native of Brazil;

blooms in summer and lasts a long time in perfection.

Oncidium varicosum Rogersii, one of the very best of the genus, similar to the above in habit and color, but grows stronger and has much larger spikes; a very valuable variety for commercial purposes, both as a pot plant or cut flower. I have grown this beautiful plant myself with more than 100 blooms on a spike. It blooms in autumn and in early winter months and lasts a long time in perfection.

Oncidium tigrinum is another fine species from Mexico, with a large, branching spike of beautifully marked yellow and brown flowers, produced in winter; is a free bloomer and lasts a

possible, as they delight in pure air, but by no means place them in a draught. They grow best in perforated pots, or baskets, well drained with good, clean potsherds or broken charcoal, or both, with a liberal top dressing of good, live sphagnum, which should be removed as soon as decay begins and replaced by fresh. As *phalaenopsis* delight in cleanliness, great care is necessary in potting this genus, particularly *Schilleriana* and *amabilis*, as they root freely and cling firmly to the pot or basket in which they are grown, and cannot be removed without the aid of a knife, and this is a very delicate operation, often resulting in serious injury to the

with lemon yellow instead of pink. This plant grows well on a rack with sphagnum moss at the back and is a very prolific bloomer.

VANDA.—This beautiful genus requires a temperature of 60 to 65 degrees at night and delights in the sun, unless very strong, and then a light shading for an hour or two will be sufficient. All the species will grow in pots, well drained, and potted in clean, fresh sphagnum and broken charcoal, with plenty of moisture about them, and lots of water at the roots in summer, but be very careful in winter, unless the pot is very full of roots and growing freely. Give a little air when possible in winter and plenty in summer. Some species bloom twice and even three times a year. The flowers have a delightful odor and last about a month if kept dry. All vandas are subject to scale, and should be kept free from these pests, or the plant will soon be ruined.

Vanda caerulea, the beautiful blue orchid, should be in every collection. It is of easy culture and a very free bloomer. A temperature of 55 degrees at night suits it well, as the flowers are a much better color than those grown in a higher temperature. It is a native of northern India and blooms in autumn. Do not over-pot this plant and suspend as near the glass as possible.

Vanda insignis, a grand old sort from the Malayan islands, blooms in May or June. It has large spikes of flowers of a magnificent combination of colors, is of easy culture and a very free bloomer.

Vanda suavis. One can hardly say enough about this old favorite from Java, blooming at all times of the year, large spikes of beautiful white flowers spotted with crimson. I have seen this plant in bloom ten months out of the year.

Vanda tricolor is similar to *suavis*, of the same habit, and requires the same treatment, only the flowers are lemon yellow, with crimson spots, purple and white lip, and last a very long time. It also is a native of Java.

THE BOSTON CO-OPERATIVE MARKET.

For years it was the custom, the same as is now in vogue in many other cities, for the grower to tramp the streets of Boston from one end to the other in his anxiety to dispose of his product, opening his box, and having his goods handled over by this buyer and that buyer, and fault found, because you let somebody else have your best flowers, losing at least one-fourth of your product through the constant handling and carting around of your goods. But an improvement was at hand, and under the leadership of three or four, the back room of a centrally located saloon was made a rendez-vous, and it was not long before quite a market was held there every morning. The notoriety of such a



Phalaenopsis Schilleriana.

long time in perfection. Grows best in a pot.

Oncidium Cavendishianum is a beautiful species, having large, heavy, fleshy leaves, and is therefore best grown in a pot. It produces during winter enormous spikes of beautiful yellow flowers, and they last six to eight weeks in perfection. It is a native of Guatemala. Although when in good health it produces very large foliage, I do not think it needs a pot or pan in proportion to its size, as nothing is more injurious to it than being over-potted. It requires careful watering during the dull months of winter, which is its resting season.

PHALAENOPSIS.—There are many species of this genus, all beautiful, though many are not productive enough to warrant them a place in the commercial list. They all require a high temperature, not less than 65 degrees during winter, but 70 degrees is even better. They delight in light, heat, and moisture, and should be lightly sprayed once a day during hot weather; ventilate freely when it is

plants. A good plan is to place the plant, pot and all, into larger size and fill up with charcoal and fresh sphagnum, and not disturb the roots at all. These plants should be suspended, if possible, as they love the light, but must be shaded from the direct sun, or the leaves will burn; and never allow them to suffer for want of water.

Phalaenopsis Schilleriana is a magnificent species from Manila, has large branching spikes during winter and spring of beautiful mauve flowers edged with white, with reddish brown spotted lip.

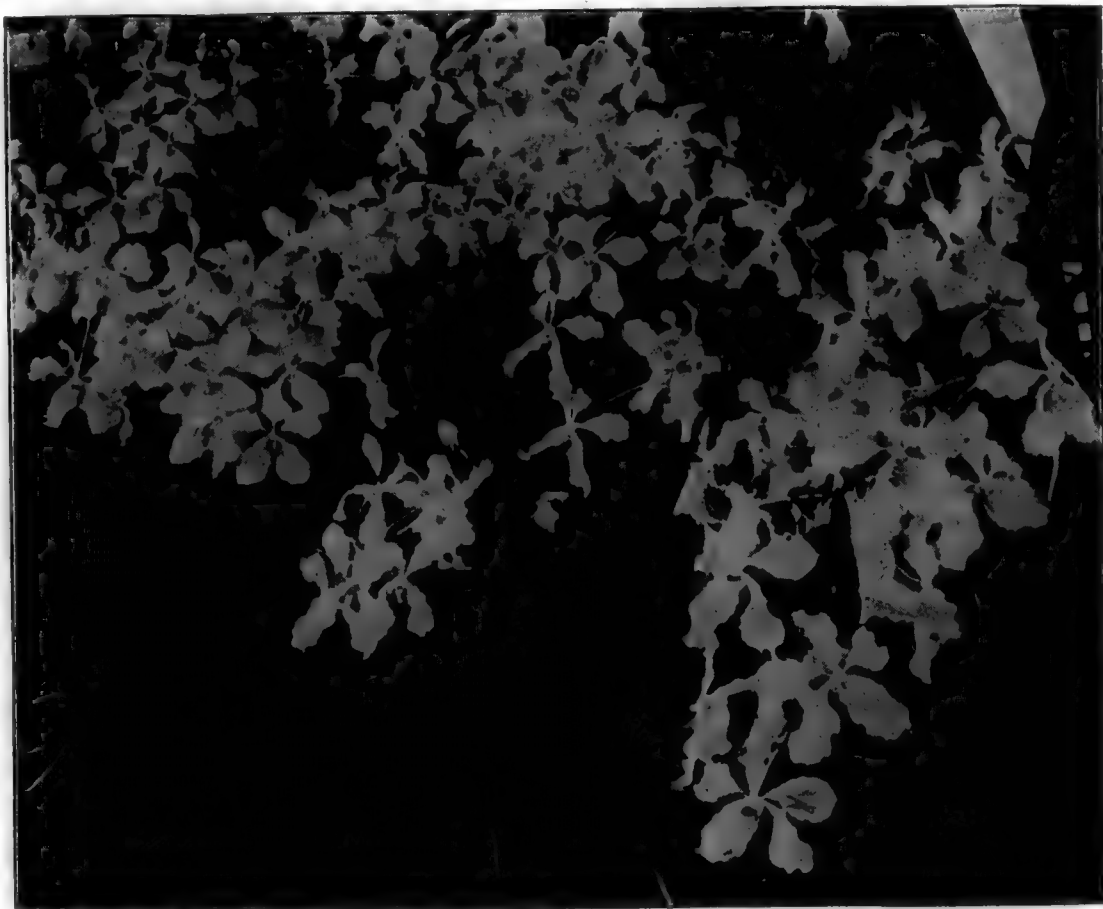
Phalaenopsis amabilis, a beautiful species also from Manila, is certainly the queen of this genus; blooms at all times of the year and lasts a long time in perfection. It has long, graceful spikes of pure white flowers, lip spotted with pink. This is one of the best for market purposes and requires the same treatment as above.

Phalaenopsis grandiflora, a beautiful species, that comes from Java and resembles *amabilis* in every way except that the lip of the flower is marked

place as a headquarters for the growers of cut flowers, was hardly to the liking of the best class of the sellers, and steps were taken to establish a permanent market.

After considerable difficulty, through the lack of confidence among the growers, a co-operative company was formed and authorized to do business as The Boston Co-operative Flower Growers' Association. They at once rented a store under the Horticultural Building and started business Sept. 1, 1892, with 82 stalls, every one of them rented. The success of the undertaking was apparent at once, and the increased demand for space soon made them hunt other quarters. They are now comfortably situated at No. 1 Park St., under the Park street church.

The room occupied is about 125 feet long by nearly 50 feet wide, and lengthwise are built three long tables, divided through the middle into equal halves, and each half is subdivided into spaces. Part of these are 4 feet square and others 3 feet square, making a total of about 130 spaces or stalls. The larger of these rent for \$52 per annum, and the smaller at \$42 per annum, the rent to be paid by the quarter and strictly in advance, with a liberal discount when paid by the quarter or by the year. These stalls are only let for the year,



Group of Vanda Caerulea.



Vanda Suavis.

and the market year dates from October 1st. About two weeks before the year begins, the choice of selection is sold at auction, and the bidding is very lively, with hardly a space remaining unsold. The income derived from this amounts to the neighborhood of \$1,000 yearly, and is appreciated by the holders of the stock.

The market is open every day, except Sunday, throughout the year, from 6:30 a. m. to 5 p. m. The bulk of the business is done from 6:30 a. m. to 8 a. m., and a stranger would be astonished to see the amount of flowers that change hand during that time. The directors have several rules which are strictly enforced. Prices are made by

the grower occupying a stall, and no stall holder is allowed to solicit trade in any other part of the market.

All flowers which remain unsold can be left in care of the manager, a huge cold storage room having been erected to ensure their keeping. A list of such flowers is given to the manager with the price at which they held and he is authorized to make whatever sales he can during the day. For this service the growers pay to the market a commission of fifteen per cent. The manager is also authorized to keep and for sale a stock of the indispensable requisites of a retail florist, such as wire work, letters, wire, etc. This is done to accommodate buyers that come in for flowers and are obliged to get home as quickly as possible.

Mr. W. C. Stickel, of No. Cambridge, through whose efforts, with that of one or two others, the establishment of the market was accomplished, is the president, which office he has held from the first. Mr. E. N. Pierce, of Waverly, is vice-president, and Mr. George Cartwright, of Dedham, is secretary and treasurer. A board of directors, six in number, together with the above officers, constitute a board of management. They meet once a month, with a meeting of the stockholders once a year.

A manager, who keeps to his post all day, has entire charge, and upon him depends to a great extent the enforcement of the rules and the keeping of order, and up to this time there has been excellent management and the place is growing in popularity every day.

When the idea was first talked of the city dealers were very much opposed

to it. The wholesalers were of the opinion that it was in direct competition to them, and the retailers did not like the idea of getting away from their regular method of buying, but now that is all changed, and it has become necessary for buyers of all classes to patronize the market. It is better all around; the grower can now sell his goods without spending half a day tramping the streets and the buyer has an opportunity to select the best of flowers, without getting stuck, as was the case when he bought at his store; again a uniform price on staples is

more apt to exist, as both growers and buyers can judge better of the state of the supply and demand.

Outside of the regular morning business, and the selling of goods left by the growers, the management do not attempt to do any other and everything sold is strictly wholesale, and would-be buyers have to be known to the manager.

The success of the market has, to a great extent, been the result of the popularity of the manager, Mr. John Walsh, of Melrose. P.

same boiler that heats range, boiler to be placed under dwelling house and care for same myself. Would steam or hot water be preferable? Would say we have strong west winds and mercury drops from zero to 20 below at times through the winter.

A. H. D.

In reply to A. H. D., he will get as good results from the smaller as from the larger, in the matter of growth, but at a much greater outlay in the cost of building, and also in labor. The most economical and practical vegetable houses for commercial purposes are those from 25 to 30 feet wide, built low, with solid beds, and in your locality of low temperature I would strongly advocate steam heat. The boiler for heating the greenhouse being in the cellar of the dwelling, the dwelling may be heated from same source. It is, however, desirable where possible to have the dwelling heating plant independent from that of the greenhouses. Water heat will give much more satisfaction in the dwelling than steam. Henry W. Gibbons.

CHICAGO.

The Christmas Trade.

The Christmas trade was fully up to expectations and everybody is feeling happy. Of course everything was not exactly as to be wished, but the average results were decidedly ahead of last year, and no one has any serious criticisms.

The five days of the week that were gloomy and wet made some stock very soft and as a result a lot of droopy stuff was forced into the market early to save it. This was difficult to dispose of as city trade was very dull. Shoppers were slow to venture out in the rain and mud. Fortunately Friday and Saturday were bright and dry and the city sales on those days were heavy.

Shipping orders were also placed late in many cases and this resulted in taxing the facilities of the dealers to the limit at the finish. All prime shipping stock went well all through the week though some of the soft stuff had to be marketed at less than schedule rates. Wednesday and Thursday the receipts of carnations were rather in excess of demand, but all that were not too "dreamy" were placed to advantage on Friday. Of course whites suffered more than colors. By Saturday a distinct shortage was noted in almost everything, and Beauties and Meteors remained scarce during the whole period; in fact there is still a marked shortage.

Though many of them came late there is no doubt that more shipping orders were sent to this market than ever before at Christmas and very many of them had to be cut short. It was also noticeable that the majority of them called for extra high grade stock at good figures. So far there have been few "kicks" from receivers



CARNATION EVANSTON.

We present herewith a view of a house of this new scarlet carnation at the establishment of the originator, Mr. M. Weiland, Evanston, Ill. A vase of the blooms appears in one corner.

The variety is a sport from Tidal Wave that originated at the above named place four years ago. Mr. Weiland was then growing Portia, and like other florists was on the lookout for something that had the glowing color of that variety and at the same time with size, stem and other desirable characteristics. He was fortunate enough to find a sport of Tidal Wave among his plants that met the requirements. He promptly dropped Portia in its favor, and as the blooms sold so well in the Chicago market and brought out so much favorable comment, he was finally prevailed upon to introduce the variety to commerce.

The variety is identical in habit and growth with the well known Tidal Wave, but the color is much brighter. The scarlet is a shade lighter than that of Jubilee and has the glowing quality seen in Portia. The stem is not equal to that of Jubilee, but it is a very much freer bloomer and the variety promises to be a "bread-winning" sort, though it is now classed as a "fancy" in the Chicago market.

The flowers sent to the Chicago market have been handled by Kennicott Bros. Co., and they found them such quick sellers at good figures that they warmly encouraged Mr. Weiland to introduce the variety.

Mr. Peter Reinberg saw the "New Tidal Wave" at Mr. Weiland's two years ago and was so pleased with it that he secured some plants, and he will in future grow Evanston extensively, discarding Triumph in its favor.

The variety does best under the same conditions that bring the best results from Tidal Wave. Its only apparent fault is that the stems are rather short during summer and fall, but if the plants are housed in August long stemmed flowers can be had by the latter part of September.

The photographs from which the engravings are made were taken December 16, and the flowers shown in the vase were cut from the center bed shown in the picture.

AMERICAN CARNATION SOCIETY.

The program and schedule of premiums for the eighth annual meeting of the American Carnation Society, to be held at Philadelphia February 16 and 17, has been issued. The essays include one on "Carnations From the Retailer's Point of View," by Mr. Galvin, of Boston, and Mr. Kift, of Philadelphia; one on "Commercial Fertilizers and Their Relation to Carnations," by Prof. Britton, of the New Haven Experiment Station, and one on "Indoor-Grown Carnations," by Mr. C. W. Johnson. The question box will, as usual, be a strong feature.

The premiums are liberal and cover quite a lengthy list of classes, and there are several valuable special premiums.

Copies of the list may be had on application to the secretary, Mr. Albert M. Herr, Lancaster, Pa.

VEGETABLE HOUSES.

I propose building vegetable houses for tomatoes, cucumbers and lettuce, and I would like to know if I can get as good results from houses that are about 12 feet wide, excavated so that gutter line would be 15 or 18 inches above outside earth, using solid beds in range, or would it be better to build a house say 30 feet wide and use solid beds or raised benches.

I propose heating my dwelling with



New Scarlet Carnation Evanston, at M. Weiland's, Evanston, Ill.

of shipments, indicating that stock travelled well. Violets were in as good demand as ever, but there seemed less call for valley. Poinsettias were distinctly "in it."

Taking an average of the reports of the various dealers we estimate that the total increase of sales in money value over last year was about 20 to 25 per cent.

Trade and prices have held up well since Christmas and there is no material change as yet from Christmas quotations. Shipping for New Year's trade has already begun, and indications are that it also will show a marked improvement over last year.

The retailers all report an excellent Christmas trade, many of them being unable to properly take care of customers in the rush at the close.

Seen at the Retailers.

At Samuelson's: Cyclamens and azaleas in silvered and olive green pot covers with sash of 2-inch scarlet ribbon; pots of the same covered with pink crepe paper and a sash of pink ribbon; pans of pink tulips with pink

crepe paper and pink sash; same with green crepe paper and green sash; poinsettias in silvered hamper with big bow of red ribbon on corner of open cover; heavily made holly wreaths tied with red ribbon; many little bells of red immortelles; artistically arranged drapery of numerous narrow red ribbons in the window.

At Wienhoeber's: Many plant arrangements in baskets and dressed pots and pans of blooming plants, including cyclamens, primulas, azaleas, ordias, ferns, Roman hyacinths, etc.; a large artist's wreath of leucothoe sprays with pine cones interspersed.

At Smyth's: Window boxes of primulas covered with red frilled crepe paper tied with sash of narrow white ribbon; the same boxes filled with Begonia incarnata and cyclamens and covered with pale pink crepe paper, and broad sash of pink ribbon; same filled with primulas; many baskets of mixed plants, nearly always with sash of ribbon on the handle; window display of plants and flowers framed in a drapery of red bunting.

At Halle's: Many dressed blooming plants in pots and pans; many fern arrangements in expensive dishes; heavily made holly wreaths with star of red immortelles in center; wreaths of galax leaves tied with broad red ribbon; window display mainly of decorative plants with group of Christmas wreaths at one side.

At Silliman's: In window a mantel decoration flanked by groups of azaleas and decorative plants.

Various Items.

Tops of *Dracaena terminalis* sold readily at Amling's at \$3 a dozen.

Chas. A. Johnson, formerly of Racine, Wis., bought out C. Gerhardt at 1317 N. Clark St., last September. He continues the title "Limits Florist."

Bassett & Washburn cut 12,000 fancy carnations from the plants in their big house during Christmas week.

Archie Spencer paid a visit to St. Louis this week.

The bowlers were all in the Christmas rush and there was no time for the weekly roll.

Kennicott Bros. Co. are now handling the stock from Klehm's. Their Gontiers were unfortunately too late for Christmas this year, and will be in shortly after New Year's.

Since our estimate was made on the Christmas trade by the wholesalers we hear from Messrs. Bassett & Washburn that the figures, now completed, show a gain of fully 50 per cent over last year, instead of the 30 per cent that they at first estimated.

Kennicott Bros. Co. will handle a good share of the rooted cuttings of the new scarlet carnation Evanston, now about to be introduced. The way the flowers have sold in the market here has made them strong believers in the future of this carnation.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

520-535 Caxton Building, Chicago,
334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/2 page, \$13.50 full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.

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BOSTON.

Review of the Market.

The weather through the week was anything but favorable, and a great many of the growers were rather disappointed in their cut, being anxious to realize the high prices which were asked. A great many saved all their stock for Saturday, so that there was not an over-abundance of flowers to be had all the week, with prices running fully equal and in some cases exceeding any previous Christmas.

Roses seemed to be in ample quantity, with no surplus, and prices ranged for Brides, Maids and Meteors from \$12.50 to \$25 per 100; Beauties ran from \$6 to \$12 per dozen, and the stock was all taken. Carnations, as was anticipated two or three weeks ago, ran short, especially colored varieties, and brought high prices throughout the week, but on Saturday white ones dragged slightly, owing to the quantities coming in; \$4 per 100 was an average selling price, with fancy grades running as high as \$1.50 per dozen. Violets, not too plenty, held at \$2 per 100; Harrisii lilies, from \$10 to \$16 per 100; valley, \$4 to \$6; Romans and Paper Whites, \$3 per 100; stevia, 25 cents per bunch.

The Christmas Trade.

The week just ended will go down

in the history of the flower business as the best Christmas week ever known, and on Saturday night both retailers and wholesalers were hustling for stuff to fill their orders. The wholesalers have been busy all the week, the trade in green goods being far in excess of any previous year, and when shipping time came—Thursday and Friday—there was no surplus stock carried over for a Saturday rush, thus again making the wholesalers heavy buyers on Saturday. They all report the heaviest Christmas trade they ever had. The growers all seem satisfied, and by 8 o'clock everything was sold and most of them had gone home, to bring in the day's cut later on.

The retail trade was the best that the dealers have ever had, and it is a question if the stock will hold out to fill orders, and it will be difficult to obtain growers' stock on Sunday.

At Galvin's, the leader was violets, and they have kept up their reputation as regards quality of stock and amount of sales. The trade for plants was about equal to that of former years, the great specialty being some well-grown azaleas from E. N. Pierce & Son, Waverly, Doyle and Houghton & Clark both report heavy trade, the call being for high-grade flowers.

The retail prices were as follows: Roses, Brides, Maids and Meteors, from \$4 to \$10 per dozen; carnations, average stock, \$1.50 per dozen; Bradts, from \$2 to \$3; extra grades, such as Flora Hill and Eldorado, averaged \$2; violets, from \$1 per bunch up; Beauties, from \$10 to \$36 per dozen, with the demand running mostly to carnations and violets.

News Items.

Nicholson's carnations were extra fine, especially Mrs. Bradt, Flora Hill, Joost and White Cloud. Galvin bought the most of them.

Mr. Nicholson has broken ground for another house, 23x200 feet, intended for carnations in solid bed.

The Beauties shown by E. M. Wood & Co. were the finest seen in this market.

Galvin had to withdraw the Lawson carnation from his list very early in the day—could not get enough of them. This famous pink is establishing a wonderful reputation; Boston people choose it as a strictly Boston flower, and Galvin had orders to go to all of the large eastern cities on this account.

P.

BUFFALO.

Christmas Trade.

It is premature to suppose that an accurate account of the trade can be given this early, for there has been no opportunity of close inquiry. But from the tenor of what I have heard, the volume of business was an advance of 25 per cent over last year. Plants

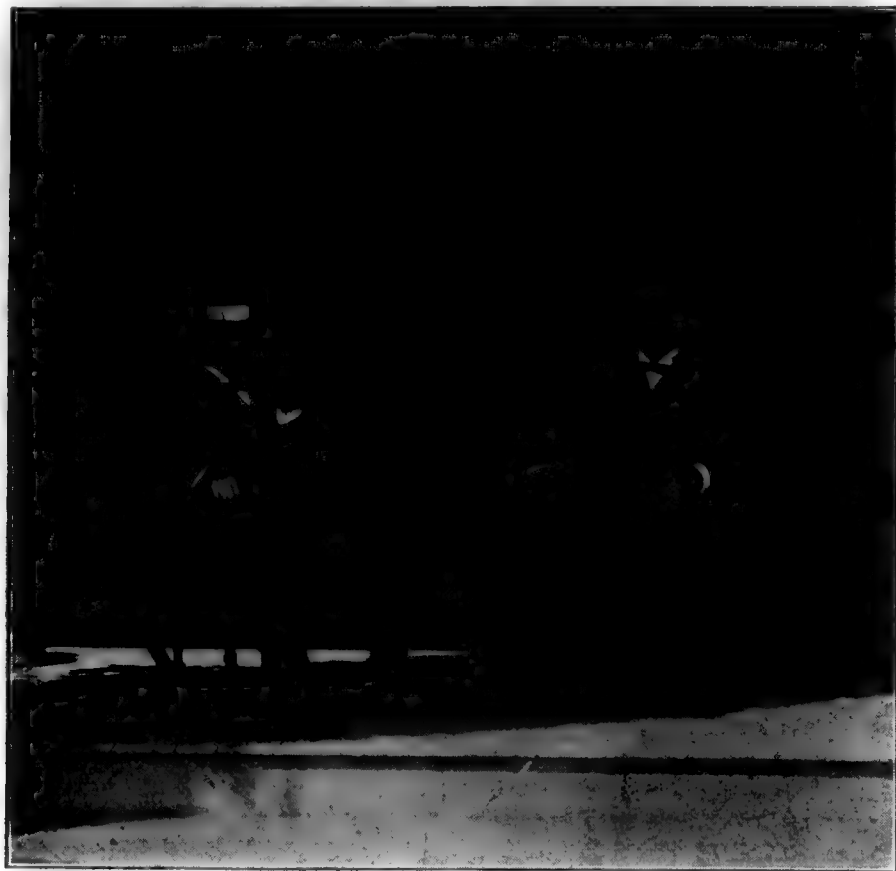
undoubtedly were the big feature. It would be hard to say what led. There were lots of people willing to pay \$3 to \$4 for a plant, most or nearly always for a present, and a few willing to go much over these figures; the great majority, however, wanted "a nice little plant for \$1.50 or less." Palms were in great demand, and when I say palms I include pandanus and dracaenas. Poinsettias, especially 10-inch pans, with half a dozen plants, went well. Azaleas sold rather best of any flowering plant, and all in sight from \$1.50 to \$5 were cleaned out. The Boston fern from 75 cents to \$3 sold well, and J. H. Rebstock found customers for a few Nephrolepis D. furcans, 5 feet across, that went at \$15. Nearly every small plant, such as primroses, cyclamens, pans of hyacinths, begonias, etc., sold—in fact, more could have been sold. The "Christmas present" is accountable for all this.

The first prominent retailer I telephoned to this morning for features of the business said in reply that the prominent feature was, the people wanted a dry goods box of flowers for 25 cents. He did not say what size dry goods box, but it might have been a holly box as anything else, so far as being actual truth; but there was, however, a considerable kick at the prices of flowers, and hundreds shunned them and turned to the plant. Violets are sweet, but \$4 a hundred is sweeter, and there were several thousand left over in more than one place, and so it was with roses of the Bridesmaid type—"Too high; we will do without them."

W. J. Palmer & Son, so it is said, cut several hundred American Beauties last week and sold them for \$24 a dozen. We were not aware of it, but think the Gould and Astor families must have been visiting here last week. When you said \$4 a dozen for Meteor roses and \$1.25 or \$1.50 for carnations, many people were sent away contented with a \$2 mixed box, for which you can always be more liberal and reasonable. Carnations were the flower that was sold out cleanest. Home-grown ones were, however, in too small supply; and talk about being pickled! We saw a lot from the east that you could actually see the brine on their stems.

There never was such a demand for Christmas trees; either the supply was too short or the demand was unusual. This is hardly a florist's article, but he was lucky if he had a lot of Norway spruce, for by Xmas eve there was not one in town. Canada spruce is the general article used, and the great storm had blocked railroads so freight could not get here, and the Christmas tree trade was actually written up in our daily papers as if it was as important as the supply of turkeys, plum pudding, or the extract of corn.

Contrary to what was expected, hol-



C. L. Washburn.

O. P. Bassett.

Messrs. Bassett & Washburn on the veranda of their residence at Hinsdale, Ill.

ly came into the commission houses by the carload, but it was all used up; never was its use so general. How wonderful to think that less than 25 years ago not a spray was seen in our northern cities. Some English mistletoe was here, fine branches, although much the worse for travel. The American species will eventually take its place, although not nearly so handsome; and then again, that was not what the Druids worshipped, nor gives you such privileges among the gentler sex; but it will have to do. Our so-called laurel (Kalmia) was largely used for wreathing. Of the ground pine, perhaps more could have been used; but there was about enough.

Notes.

The usual balls and parties are thick around us, but not any of great magnitude. The few florists I have seen are well satisfied. Wednesday and the two following days we could deliver plants in an open wagon, and Saturday and Christmas day were fine and only a little cold. Better weather we could not expect.

We thank all nationalities for the respective institutions that go to make our Christmas; especially do we thank those enlightened creatures who evolved the Christmas gift from a dry and soulless card to a growing and living plant or bunch of flowers.

W. S.

CLEVELAND.

A Good Christmas.

Christmas trade was a record break-

er; never before was there such a rush for flowers and plants. It is not uncommon for a theatre to close the door when a good show is playing, but whoever before heard of a florist ordering the doors closed before! Such was the order issued by J. M. Gasser Saturday. The store resembled a ticket wagon at a circus and orders by the hundreds on the files. Every florist in town reports business better this Christmas than they ever saw it before.

There were some very handsome windows to be seen this week. Smith & Feters had the usual Christmas bells and wreaths of immortelles and white doves. Miss Eadie had chrysanthemums. Mr. Ehrhart arches representing church windows. Chas. Wagoner a large holly bell.

J. M. Gasser had the village church belfry, the steeple surmounted with a gilt cross; the belfry had the chimes (3 bells) of red immortelles tied with bows of red ribbon to the axle; the wheel and entire structure was covered with log moss; a pair of moss curtains draped the large mirror, tied back with ribbon; the red light in the steeple (concealed) shed its soft glow on the chimes; the large arc light, covered with yellow, shed its soft moon beams on a long vase of poinsettias, vases of valley and orchids. A large moss-covered tree at the other side of window had clusters of cattleyas at the different crotches. Many compliments were received from the other florists and the window attracted thousands of admirers. It was conceived and executed by Mr. Oehmler.

American Beauties and Meteors were very scarce. Carnations gave out, the demand being too great. Good stock brought \$1.00 per dozen and fancy \$1.50.

O. A. C. O.

ST. LOUIS.

The Christmas Trade.

Christmas trade here was very fine. Stock was not very plentiful and demand better than ever before. Our commission men claim they did double the business this year than last with prices about same as usual during these busy times. From reports of nearly all the retail trade this Christmas can be classed as most satisfactory, stock being sold out clean and at good figures.

Some growers will certainly have no reason to complain as to prices. Those who indulged in pickling will have a kick coming but they only have themselves to blame, and as one commission puts it if they kick they will have to kick themselves.

Prices for good first class stock were high. Best American Beauties, of which there was only a short supply, sold at \$18 per dozen; Bridesmaid, Bride, Meteor, La France, Perle, Wottlow and Kaiserin were in great demand, and supply good on all except Perle and Meteor; Carnations very scarce. All the above stock brought from \$10 to \$18 per 100; Brides were the most plentiful.

Carnations were in the greatest demand and of fine quality. The very best fancy stock brought \$8 while others sold at from \$4 to \$6. Flora Hill, Eldorado and Jubilee were classed as fancy stock and Scott, Daybreak, Woche and Alaska brought the latter price. The carnations grown by Messrs. Aue, Fillmore, Ammann, Herzog, Emmans and the Udes were the best in the market and all brought good prices.

Violets were very fine and not over plentiful. Prime Californias sold at \$4 and some went as low as \$2; good small singles 50 cents and doubles \$1.50 and \$2.

Bulbous stock was plentiful and of good quality. Romans sold at \$3 and \$4, Paper Whites \$4, valley \$4 and \$6, callas \$15, Harrisii from \$15 to \$25, but short in supply. Smilax, asparagus and adiantum sold well. Smilax brought \$15 and \$18; adiantum \$1.25 and asparagus \$50.

All kinds of Christmas greens sold well, being used more this year in decorating down town store fronts than ever before. Notwithstanding the scarcity the streets down town were lined with fakirs selling dirt cheap, still most of the store men sold out clean at good prices.

The demand for blooming plants, such as cyclamen, poinsettias and azaleas, also house plants such as palms and fern dishes, was lively.

The weather was fine and the dealer had hardly any wrapping to do in making deliveries.

Will close my letter this week by wishing all the readers of the Review a Happy New Year.

Bowling.

The Bowling Club rolled its last games of the year on Monday. The attendance was not large and only five members showed up. This ended the December series of twenty-one games. Duncan Finlayson wins the average medal and J. Beneke the high single score medal. Following are the scores of Monday night:

	1	2	3	4	5	6	Tot.	Ave.
D. Finlayson..198	152	153	177	176	184	1040	173	
J. J. Beneke..130	171	142	152	153	186	937	156	
C. A. Kuehn..113	114	134	156	162	144	823	137	
E. Schray....136	146	129	159	126	...	696	136	
F. J. Fillmore..118	93	122	134	114	101	682	114	

DECEMBER SERIES.

Names—	No.	G.	Total.	Av.	H.	S.	P.
Duncan Finlayson..	11		1815	165	198	..	
J. J. Beneke.....	21		3174	151	206	..	
C. A. Kuehn.....	21		2898	138	162	1	
C. Beyer	4		599	149	169	..	
J. W. Kunz.....	2		273	136	141	..	
E. Schray	20		2698	135	166	..	
C. C. Sanders.....	13		1744	134	168	1	
F. C. Weber.....	4		532	133	137	2	
F. J. Fillmore.....	21		2474	118	199	2	

J. J. B.

DES MOINES.

Christmas Trade.

Christmas trade was about as follows:

"Hello, central, give me 460, please."

"Hello!"

"Say, how was Christmas trade compared with last year?"

"Oh, about the same or better in some lines. A large call for ferns and palms, but not much call for blooming plants. Good ferns were in brisk demand."

"How about holly and green?"

"Well, there was not much call for them."

"And prices, how were they?"

"Why, about the same as last year, 75 cents to \$1.00 for carnations, and \$2 to \$3 for roses."

"All right, thanks, good bye. Say, central, give me 384."

"Hello."

"Well, I'm here. How was Christmas trade? Any marked improvement over last year?"

"Yes, with me there was. I sold clean out and could have sold more."

"That's good; much call for plants?"

"Why, yes; there was an increased demand for plants, probably 30 per cent more than ever before."

"In what class of plants do you mean?"

"Both, blooming and decorative."

"That's fine; thanks, that's all. Well, central, give me 818, will you?"

"Hello, hello!"

"Hello, is this 818?"

"Yes, what can I do for you, 731?"

"Oh, I just thought I'd inquire about your Christmas sales as compared with last year."

"Why, they were better. Just hold the phone till I look at my books..... Hello!"

"Yes."

"They were 55 per cent better and prices equally good. We sold lots of holly and green and had an increased call for palms and ferns."

"Is that so? What did you get for cut flowers?"

"Seventy-five cents for carnations, \$2.00 to \$3.00 for roses."

"Thanks, that's all. Say, central, connect me with 414, please."

"Hello!"

"Hello, there. I wanted to ask about your Christmas trade, as compared with last year. Was it as good as former years?"

"Yes, better in most all lines, especially holly and green. We could not supply the demand."

"Was there much call for plants?"

"Oh, yes, palms, ferns and blooming plants found ready sale with us."

"Thanks, that's all."

"Say, hold on a minute."

"Well?"

"Don't forget the club meeting, Friday night, at Liedig's?"

"All right, I'll try not to."

"Central, I suspect you're getting tired, but give me 761, will you?"

"Marshall's Greenhouse."

"Well, that's what I called for. Say, Mr. M., how were Christmas sales this year with you?"

"Oh, you know I am principally wholesale carnations, and not much on the retail, but we sold some few at retail and got 75 cents a dozen for them. We could have sold more, but we had sent them to town. Is that all?"

"Well, no; I might say do not forget the Florist Club meeting, Friday night, at Liedig's. Be sure to come."

You better believe I'll be there. Oh, say, when are we going to take in the rest of the greenhouses? You know we only got part way round last time?"

"Yes, that's so; how will to-morrow suit you?"

"That suits me all right."

"Then it's a go, is it?"

"Sure."

"Where shall we meet?"

"At 6th and Mulberry, at 1:30."

"All right. Good night."

J. T. D. F.

GRAND RAPIDS, MICH.

Christmas Trade.

The week was ushered in with rain, which alternately changed to slush and rain, until it finally on Thursday settled down to cold, solid weather. Business in general was good—better than last year by fully 25 per cent. Cut flowers sold best, and sold out close. Carnations, 50 cents for Scott and Ivory class, 75 cents for fancy, Flora Hill, Jubilee and Irene. Roses, \$1.50 to \$3; American Beauties, \$3 to \$15; demand for high-priced Beauties very limited. Violets, common, 20 to 25 cents; fancy, 35 cents, the latter grade being most in demand. Carnations are the flower for the people. The wholesale trade was larger than last year, and with more flowers to meet the demand.

There were a great many palm leaves and needle pines used in church decorations, much to the detriment of the trade.

An Elaborate Decoration.

The largest and most elaborate ball ever given here in a public hall was by Mrs. John Blodgett, at the St. Cecilia building. It took 1,000 yards of laurel wreathing to outline the ceiling projections and do the festooning around the walls of the room; twenty-two large laurel wreaths were suspended from the ceiling by a rope of the same material, between loops, and below this effective work was a band of holly six inches wide around the entire room. Mirrors were placed at each end of the room, with spaces between the blocks, which were filled in closely with wild smilax. At the sides of the room a fringe of smilax sufficed. In the parlor the large mantel was artistically banked with pandanus, crotons, marantas and other plants, to produce a color effect, and was much admired. Sixty baskets of red carnations and sixty holly wreaths constituted the favors. Ten large baskets of Jubilee carnations supplied the tables. Crabb & Hunter did the deco-

rating and furnished the small baskets, Henry Smith having the holly wreaths and Jubilee baskets.

The plant trade was about equal to that of last year, azaleas and palms being the plants most sought after, although Romans in pans sold well. There was a noticeable lack of primroses and cinerarias, they not being in bloom yet. If the weather had not been so remarkably unfavorable, except Friday and Saturday, trade would undoubtedly have shown a much larger increase. The carnations most called for were Jubilee, Flora Hill and Irene.

GEO. F. CRABB.

CINCINNATI.

Christmas Trade.

Christmas trade was all that we could wish for—in fact, it was a great deal better than was expected, the volume of business being at least 25 per cent greater than last year. Everything sold out clean at a fair price, is the report from all quarters. Carnations were quite scarce—not over one-half enough to supply the demand. There was an increased demand for poinsettias, both cut blooms and pot plants. Prices on all stock were about the same as last year.

In the fore part of the week the market was overstocked with roses and the store men were slow in placing their orders, some of them looking wise and thinking what a snap they would have. Their foresight was not the best in the world, and some of them had to skirmish for their stock.

Laurel and holly also sold well, the latter going as high as \$8 per case.

B.

WILLOWDALE, PA.

J. D. Erisman & Son, growers for the Willowdale Nurseries, shipped from two carnation houses, 20 x 100, 5,700 blooms Christmas week. Varieties were Eldorado, Kitty Clover, McGowan, Scott, Cartledge, Portia, Rose Queen, Mrs. Bratt, and Daybreak, all in a perfect state of health, producing stems 24 and 30 inches long. They look for a good trade for stock in the spring and are busy propagating heavily.

J. Howard Pyle, who bought Lewis Moore's houses, is having fair success and expects to build more in the spring.

Edw. Marshall is growing good stock and sent 3,000 for Christmas.

Fred Carey's plants are a trifle off crop, so he was short Christmas.

Geo. Love is sending fine violets to market, and plenty of them.

J. D. Erisman & Son, besides carnations and violets, are growing two houses of tomatoes (Lorillard), the fruit averaging $\frac{1}{2}$ and $\frac{1}{4}$ lbs. apiece. Valentine Produce Co., New York, has been handling them at 30 and 35 cents per lb.

E.

E. H. HUNT

THE "OLD RELIABLE" FOR

WHOLESALE....

Hunt's
Flowers
Go
Everywhere.**Cut
Flowers****76 Wabash Ave. CHICAGO.**

LOWELL, MASS.—John Haynes has added a house 20x75 and J. J. McManmon one 20x100. The stock in the Edwards greenhouses was frozen during the last cold snap. Christmas trade was very good, though flowers were scarce, owing to the several weeks of dark weather that preceded the holiday. The trade in holly and green is about out of the florist's hands, as every fruit and drug store of importance sell them at such low rates that the florist can't afford to handle them.

FREMONT, O.—A. S. Horn & Co. contemplate the erection of a large range of greenhouses in the near future.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

FOR SALE—Having sold the lot on which my greenhouses are I must get them off by June 1st, 1899, and therefore offer the houses, stock, etc., for sale—about 6,000 sq. ft. A double strength 12x14 glass, 3,000 ft. 1½-in. steam pipe and fittings, one 25 h.p. tubular boiler, new, used one winter; sash, sash bars, iron posts, and everything included in same. Also fine new wagon with glass sides, cheap. This is a chance for some one to get a bargain. Address Bargain, care Florists' Review.

FOR SALE—Modern style florists' ice box. Address J. J. McManmon, 6 Prescott St., Lowell, Mass.

SITUATION WANTED—By practical florist and rose grower; experienced; good all round; references; single. Disengaged end January. Address "Ferns," care Florists' Review.

FOR SALE—A good paying business 10,000 feet of glass, all newly erected and in first class condition, with everything belonging to the business to go right on. Houses are well stocked and located at a city of about 500,000 inhabitants. Possession given now or any time later. Good reason for selling. Books can be inspected. Inquire, care of Florists' Review.

SITUATION WANTED—German, single, at present with carnation grower, wishes position with violet or rose grower, or with retail florist, for learning purposes. Wages no object. Address A. L., P. O. Box 466 West Troy, N. Y.

SITUATION WANTED—As foreman, by first class all around man, age 37, single. Address Experience, care of Florist' Review.

WANTED—Young man as assistant in store and greenhouses. Address H. F. Halle 548 West Madison Street, Chicago.

WANTED—A good all-round florist, must be good on design work, sober and honest. Will pay \$50 per month for right man. Address H., Florists' Review.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

FOR RENT OR SALE—First class retail stand. 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

Greenhouse Woodwork

Open-air-dried Cypress Lumber is more durable, and better suited to Greenhouse conditions than kiln-dried stock. But you cannot get it from those that are engaged in the business in a small way—even though their entire business is confined to greenhouse material—for it takes a long time for the lumber to thoroughly dry and this means an investment in lumber that only those of large capital can make. The only way to have air-dried lumber is to buy green lumber and hold it until it dries. Those that order dry lumber from the producers of Cypress get kiln-dried stock. It is cheaper for them to kiln-dry than to hold the stock long enough to season it in the open air. We carry a large stock and fill all orders with open-air-dried Cypress clear of knots, sap and all other defects.

WRITE FOR CIRCULARS
OR ESTIMATES.**Lockland Lumber Co.**

LOCKLAND, OHIO.

WANTED.

Two or three men used to propagating roses and carnations.

BASSETT & WASHBURN,
Hinsdale, Ill.

FOR SALE.

A greenhouse property that has netted clear of all expenses twenty-five per cent on price asked, and can be made to double that. No opposition and only 20 miles from one of the best cut flower markets in the United States. Don't miss this opportunity, and send for description.

Address "A. B." care Florists' Review.

FOR SALE. A well established
and paying

FLORIST BUSINESS, with ten to thirty acres. 17,000 square feet of glass. Good residence and houses for help; everything in first class condition. Abundance of water. Situated near one of the largest cities in California. Ill health and a desire to retire from business cause for selling.

For full particulars and price, address

Lock Box 720, - LOS ANGELES, CAL.

Mention The Review when you write.

20,000 Strong, Well Rooted

GERANIUM CUTTINGS

Grown in soil, in best commercial sorts. Double Grant, La Favorite, Nutt, Mme. Thibaut and others, at \$1.25 per 100, \$10.00 per 1,000. My selection, \$1.60 per 100, \$3.00 per 1,000. Cash with order please.

HUGO BOOK,

1052 Main Street, Worcester, Mass.

Mention The Review when you write.

CARNATIONS.

H. WEBER & SONS, - OAKLAND, MD.

Mention The Review when you write.

SUBSCRIBERS...

Will confer a favor by sending us a correct list of the names and addresses of the florists in their city or town.

Florists' Publishing Co.,
520-535 Caxton Bldg., CHICAGO.

THE HARRISII DISEASE can be prevented by immersing the bulbs for 5 hours in a half solution of

Kraft's Plant Tonic 99 per cent

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills Hard Shelled Scale, Mealy Bug, and other insect pests without injury to the plant. Send for circular.

KRAFT PLANT TONIC CO. Rockford, Ill.

Mention The Review when you write

The MODEL Extension Carnation Support.

Read what some of our best growers say concerning it.

FLATBUSH, BROOKLYN, N. Y., Feb. 18, 1897.

Mr. THERON PARKER. Dear Sir:—Your wire stake is certainly a gem. Without hesitating we endorse it as an up-to-date Carnation Support. Yours truly,

DAILLEDOUZE BROS.

Other testimonials will appear weekly. Write for prices.

THE MODEL PLANT STAKE CO.,

22 Morton Street. Brooklyn, N. Y.

Mention The Review when you write.

H. W. BUCKBEE
Seed Specialist,

Rockford Seed Farms.

Forest City Greenhouses.

Lock Box 911. ROCKFORD, ILL.

Special Prices Upon Application.

Mention The Review when you write.

X-X SEEDS! X-X

MAMMOTH VERBENA. The finest grown. Pkt. 500 seeds, etc. Mixed colors.

CYCLAMEN GIGANTEUM. The choicest of Giants. Pkt. 20 seeds, \$1.00; ¼-pkt., 50c.

CHINESE PRIMROSE. Finest single and double, mixed, 400 seeds, \$1.00.

Seeds of Choice Novelties added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

Mention The Review when you write.

SURPLUS STOCK

Rooted Cuttings of Rex Begonia, 8 varieties, mixed, \$1.25 per 100. **Petunias,** 4 varieties, mixed, \$1.00 per 100. **Heliotrope,** 2 varieties, mixed, 75c per 100. **Plants of Corax Japonica,** 2-in. pots, 30c per doz. **Petunias,** 4 varieties, mixed, 2½-in. pots, 25c per doz. Or will exchange for Snow Crest Daisy or Pelargoniums. Cash with order please.

M. C. CLAY, Lock Box 6, Greenford, Ohio.

Mention The Review when you write.

Always mention the Florists' Review when writing advertisers.

TELEGRAPH CODE.

In telegraphing orders to any of the wholesale dealers in cut flowers use the following code:

Assume—Do not answer if cannot fill order.
Abrogate—In case you cannot fill order, telegraph at once.
Anticipate—Answer at once, stating whether you can or cannot fill order.
Ambition—If you can only partially fill order, do so, and reply, stating what.
Admiral—Order must be sent on train mentioned only.
Ambulance—Want all of order filled or none, and prompt answer back.
Adjacent—If cannot send on train mentioned, next one will do.
Affable—Send prepaid by baggage master, if no express messenger on train.
Decorate—If cannot send all on train mentioned, send all you can, and send balance on next train.
Admission—This order is a substitute for my regular order.
Dancing—If cannot fill order exactly as specified, you may substitute according to your best judgment.
Ancestor—This order is an addition to my regular order.
Durable—Colored flowers must not be substituted for white.
Affection—Fill if possible, even at extra expense.
Fabricate—Flowers ordered are to be re-shipped to a distance, therefore buds must be cut specially close.
Fortunate—Select extra stock and charge accordingly.
Devotion—For cheap work, and can use second-class flowers, if at reduced price.
Flattery—If price has advanced since last quotation, do not send goods, but telegraph.
Forgery—This order countermands all previous orders.
Formation—Add these items to the order which you already have, but in case first order is already shipped, cancel this addition.
Flamingo—We are in a bad pinch; send us something to help us out, even if of poor quality.
Flocking—Have sent mail order; if not yet received, send following at once, and cancel mail order when received.
Foraging—This order includes all items previously ordered and wanted for this date.
Superior—Can use something especially fine, and am willing to pay accordingly.
Skip—If you are out, buy the best you can; we accept risk of getting "pickled" stock.
Corporal—If cannot send on night train, morning train will do.

THE CODE BELOW WILL BE USED
IN ANSWERING YOU, WHEN
NECESSARY.

Elope—Cannot fill your order to-day. Stock is scarce. Have tried to buy at other houses for you.
Lecture—Our store was closed yesterday when your telegram came. Received it this morning. Will ship by first train to-day, unless countermanded at once.
Willing—Cannot ship on train mentioned. Will send on next train possible to-day.
Eclipse—Will send part of your order. Balance scarce. Cannot get it at any price to-day.
Artistic—Cannot fill order to-day, if you want order filled (same order) to-morrow, wire us at once.
Favorite—Stock very poor, none better to be had. Will ship unless countermanded by..... o'clock.
Fundament—Stock named in this telegram has been sent, and balance, unless countermanded by telegram, will be sent on.....

KEEP THE DEALERS POSTED.

Keep the dealer from whom you order flowers fully posted as to the sort of stock for which you have the largest sale. Write him as fully as possible when you have time to devote to the matter. Keep him fully advised as to the needs of your trade. He will then know much better how to fill your telegraphic orders. He will know whether to send you the best in the market at the top price or to send you a fair grade at a more moderate price. The dealer is anxious to please you but often his information is meagre. Make this information as full as possible by mail and your telegraphic orders will be filled more to your satisfaction.

REINBERG BROS.

600,000
FEET
OF
GLASS.

Wholesale Growers of Cut Flowers

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.
51 Wabash Ave., CHICAGO

Mention The Review when you write.

Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of CUT FLOWERS and Dealers in

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.



Our prices are as low as any
and our stock superior.
We ask for a trial order.

Mention The Review when you write.

A. L. RANDALL

Telephone
1496

Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better prepared than ever to handle your orders.
Mention The Review when you write.

Full Line of Wire Designs and Florists' Supplies S. B. WINTER

Write for Illustrated
Catalogue.

Successor to
Winter & Glover
21 Randolph St.
CHICAGO.

HIGH GRADE Cut Flowers

Properly Packed and Promptly Forwarded.
Mention The Review when you write.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.
Mention The Review when you write.

Wholesale Price List.

AMERICAN BEAUTY

Extra long stem... per doz.	\$12.00
24-inch stem.....	8.00
20 ".....	7.50
15 ".....	5.00
12 ".....	3.50
8 ".....	2.00

METEOR..... per 100	12.00 to \$15.00
BRIDESMAID.....	12.00 to 15.00
BRIDE.....	12.00 to 15.00
KAISERIN.....	10.00 to 12.00
PERLE.....	8.00 to 12.00
CARNATIONS.....	4.00 to 5.00
" fancy.....	6.00

All other stock at lowest market prices.
No charge for packing.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.
Mention Florists' Review when you write.



ST. LOUIS
Cut Flower Co.
Wholesale Florists,
1322 Pine St.,
ST. LOUIS, MO.

Mention The Review when you write.

ELLISON & TESSON,

WHOLESALE SHIPPING

FLORISTS

3134 Olive Street, ST. LOUIS, MO.
...Home Grown Stock...
Mention The Review when you write.

C. W. WORS,

2740 Olive Street, - - ST. LOUIS, MO.

Flowers at Wholesale

ROSES, and a full line.

Headquarters for the Southwest.

F. F. BENTHEY, MANAGER.

BENTHEY & CO.,

Wholesale and Commission

FLORISTS,

41 Randolph Street, CHICAGO.

Consignments solicited.

Mention Florists' Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.



**Wholesale
Cut Flowers...**

Long Distance
Telephone
Express 466.

AND FLORISTS' SUPPLIES,

88 Wabash Avenue, Rooms 22 and 23, CHICAGO, ILL.

CHOICE FLOWERS

...At Lowest Market Rates.

New Carnation

A SCARLET
TIDAL WAVE...

Evanston

WE OFFER ROOTED CUTTINGS OF THIS FINE NEW SCARLET CARNATION, WHICH IS IN OUR OPINION, THE BEST SCARLET CARNATION IN EXISTENCE. AFTER A THREE YEARS' TRIAL IT STANDS AT THE HEAD AS A MONEY-MAKING COMMERCIAL SORT, THE BLOOMS OF EXTRA QUALITY AND PRODUCED WITH GREAT FREEDOM THROUGHOUT THE WHOLE SEASON. THE COLOR IS A CLEAR, BRILLIANT SCARLET, THE GROWTH STRONG, CLEAN AND ROBUST. NO SCARLET CARNATION WILL GIVE MORE SATISFACTION OR BETTER RETURNS THAN EVANSTON.

**Rooted
Cuttings...**

\$7.00 per hundred
\$60.00 per thousand

500 at the thousand rate.

**ORDERS BOOKED
NOW.**

Mention The Review when you write.

WASHINGTON.

The general verdict seems to be that this was the best Xmas we ever had. A week of steady rain caused a great scarcity in cut flowers, which created a large demand for plants of the \$1 to \$5 size.

In the store of Gude Bros. could be seen hundreds of specimen plants of cyclamen in full bloom in from 6 to 14-inch pans, which found an immediate sale. Cut roses brought \$12.50 to \$20; carnations, \$4 to \$6; violets fairly plentiful at \$2 to \$4.

The American Rose Company had a very fine electric display in Center Market, which attracted much attention. Their stand was well filled with excellent stock.

There were a great many mums on the market, most of them being Bonnaffons, but they did not go at all.

J. L. Loose has moved into his new store on Connecticut avenue and reports a heavy holiday business.

F. H. KRAMER.

SYRACUSE, N. Y.

The tenth annual meeting of the Central New York Horticultural Society was held December 21.

The address of President S. T. Betts was a very able document and covered fully the work of the society for the past year and its prospects for the future.

The treasurer's report showed receipts during the year of \$913.30 and disbursements of \$908.85.

The officers elected for the ensuing year are: President, S. T. Betts; vice-presidents, A. C. Chase, A. C. Fobes, A. D. Perry, M. E. Driscoll, E. A. Powell and C. W. Snow; secretary, N. H. Chapman; treasurer, D. Campbell; executive committee, L. E. Marquise, C. A. Phillips, G. Ham, P. Kay, F. H. Ebeling and J. T. Roberts.

It was decided to hold subsequent annual meetings in January instead of December.

LOUISVILLE, KY.

Christmas trade was generally better than last year. S. J. Thompson reports cut flower and plant sales on the increase. F. Haupt found cut flower trade excellent, exceeding last year with a corresponding increase in the call for plants.

Nanz & Neuner likewise found the above true with plenty of good flowers to meet the demand. Jacob Schulz handled mostly roses, carnations and plants. F. Walker & Co. are satisfied with their Christmas trade, with supply equal to demand.

The weather was everything to be desired.

KY.

AMES, IA.—Prof. John Craig, of Cornell University, Ithaca, N. Y., succeeds Prof. J. L. Budd as professor of horticulture at the Iowa Agricultural College January 1 next.

REGULAR SHIPPING ORDERS RECEIVE
SPECIAL ATTENTION.



W. T. BROS.

51 Wabash Avenue, Chicago.

WHOLESALE
GROWERS OF **Cut Flowers**

We Are Headquarters for...

AMERICAN BEAUTIES,

of which we cut from 2,000 to 3,000 daily. Our **Brides, Meteors, Maids and Perles** were never better.

OF CARNATIONS

we grow 50,000 plants of all the leading varieties, and they cannot be surpassed.

Wholesale Price List.

Am. Beauty, extra long stem, per doz.	\$12.00
" 24-in. stem	9.00
" 20-in. "	7.50
" 15-in. "	5.00
" 12-in. "	3.50
" 8-in. "	2.00
Meteor	per 100, \$12.00 to 15.00
Bridesmaid	" 12.00 to 15.00
Bride	" 12.00 to 15.00
Kaiserin	" 10.00 to 12.00
Perle	" 8.00 to 12.00
Carnations	" 4.00 to 5.00
" fancy	5.00

All other stock at lowest market prices. No charge for packing.

Mention The Review when you write.



New
Free-Flowering
Dwarf
Chrysanthemum

**"Little
Chris"**

Plants from 3-in. pots,
35 cts. each, 3 for \$1.00;
4-in., 50 cts. each, \$5.00
a dozen.

**W. T. Bell &
Sons,
Franklin, Pa.**

Mention Florists' Review when you write.

100,000 VERBENAS,

THE CHOICEST
VARIETIES
IN CULTIVATION....

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

No Rust or Mildew.
Packed Light and
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention The Review when you write.

Get your order for **ROSES, CAR-**
NATIONS, PAPER WHITES,
and **ROMANS** **NEW YEAR'S**
for **in quick to**

Geo. A. Kuhl, Pekin, Ill.

Mention The Review when you write.

Buy from the
Advertisers in the...

Florists' Review

(always mentioning the paper) and thus in-
crease the earning power of your Certificate.

Always mention the **Florists' Review** when writing advertisers.

Vaughan, McKellar & Winterson

NEW YEAR'S PRICES CUT FLOWERS.

ROSES.

Brides, Maids, Meteor...	per 100,	10.00 to 15.00
Kaiserin, La France....	"	10.00 to 15.00
Perle	"	8.00 to 10.00
Roses, our selection....	"	8.00 to 10.00

CARNATIONS.

Fancy Stock.....	per 100,	\$4.00 to \$5.00
Ordinary Stock.....	"	3.00 to 4.00

MISCELLANEOUS STOCK.

Violets.....	per 100,	1.50 to 2.00
Valley.....	"	4.00 to 6.00
Narcissus	"	3.00 to 4.00
Romans	"	3.00 to 4.00
Callas	"	18.00 to 20.00
Harrisii	"	20.00 to 25.00
Bouvardia.....	"	2.00 to 3.00

Above prices subject to change without notice.

SPECIAL.

Poinsettias, good	per doz.,	\$3.00
" select.....	"	4.00
" extra	"	5.00

Decorative Stock.

Wild Smilax, parlor brand	\$3.75
" medium case.....	5.50
" large case.....	8.00
Asparagus Plumosus.....	per doz. \$3.00 to 8.00
" string .....	.50 to 1.00
Smilax	per doz., 1.50 to 2.00
Adiantum Ferns.....	per 100, .75 to 1.00
Common	per 100, .15
Galax Leaves.....	per 1,000, 1.50
Farleyense Fronds.....	per doz., 1.00

We carry a good stock of above always on hand and can fill orders promptly.

**GIVE US YOUR
NEW YEAR'S
ORDER QUICK.**

Holly and Green.

We will meet the quotations of any reputable Western House.

Laurel Wreathing,

\$8.00 per 100 yards.

We have fresh goods of the following:

CAPE FLOWERS,
IMMORTElLES,
PAMPAS PLUMES,
FAIRY FLOWERS,
SHEET MOSS,
SPHAGNUM MOSS,
VASES, RIBBONS,
WHEAT SHEAVES, DOVES,
TIN FOIL, TOOTHPICKS,
BASKETS, BOUQUET PINS,
VIOLET TIN FOIL, CHENILLE.

Rattan and Wire Rings for Holly Wreaths

Store open from 7:00 A. M. to 7:00 P. M.
Sundays and Holidays, 7:00 A. M. to Noon.
All orders packed with the greatest of care and shipped on time.

VAUGHAN, MCKELLAR & WINTERSON,

Tel. Main 1129.

45-47-49 Wabash Avenue, CHICAGO.

Mention The Review when you write.

Cincinnati Cut Flower Co.

W. A. MANN.
FRANK W. BALL.

416 Walnut St. Wholesale Florists
CINCINNATI, O.

Consignments Solicited.
Special Attention Given to Shipping Orders.
Mention Florists' Review when you write.

May Rudolph

WHOLESALE FLORIST,
11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.
Mention The Review when you write.

...LOUISVILLE...

Florists' Supply and Exchange
Wholesale Florists and
dealers in Florists' Supplies

Special facilities for shipping south. Unequaled
returns for good stock. Open night and day.
520 W. Jefferson St., Louisville, Ky.
Mention The Review when you write.

**Maplewood Cut Flower and
Plant Co.** GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.
Regular shipping orders given special attention. We
have the largest plant west of Chicago.
Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.

HOLTON & HUNKEL CO.

Wholesale Florists
And Florists' Supplies.
Phone 874. WIRE DESIGNS—OUR OWN MAKE
457 Milwaukee St.
P. O. Box, 103. Milwaukee, Wis.

Mention The Review when you write.

Pandanus Veitchii.

I aim to give you the best always.
For sizes and prices see "Review"
of December 15th and 22d.

John Welsh Young, - Germantown, Pa.
UPSAL STATION PENNA R. R.

Mention The Review when you write.

ANTON SCHULTHEIS, P. O. Box
78...
College Point, Queens Borough, N. Y.
HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity
Come, see Ericas (Heather), also Full
and con- Line of Other Flowering Plants
vince yourself. Price List on Application.

Mention Florists' Review when you write.

NEPHROLEPIS Fine, Strong,
3½-inch plants,
CORDATA \$7.50 per 100.
4-inch plants,
COMPACTA. \$15.00 per 100.
Cash with order.

H. HILMERS,
Box 650. BLUE ISLAND, ILL.

Mention The Review when you write.

Now in Course of Preparation...

The Florists' Manual...

By WM. SCOTT
Price, \$5.00 Send in your order now.

FLORISTS' PUBLISHING COMPANY
520-535 Caxton Bldg., CHICAGO.

IT WILL tell you just
what you want to know
in just the way you
want to be told.

It will cover the whole field
of Commercial Floriculture,
the articles arranged
alphabetically, so that
reference may be quick
and easy.

It will be a whole library
in itself.

SAMUEL S. PENNOCK, WHOLESALE FLORIST

OPEN DAY AND NIGHT—From 12 A. M., Mondays to 10 P. M., Saturdays.

A constant supply of SELECT VALLEY the year round.
AMERICAN BEAUTIES OUR SPECIALTY.

1612-14-16-18 Ludlow St., Philadelphia, Pa.

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WESTERN PENNA. HEADQUARTERS FOR EXTRA FANCY STOCK.

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705 Penn Avenue, PITTSBURG, PA.

Long Distance
Phone 2157.

Wholesale Florists.

Write for Price List.
Consignments
Solicited.

Mention The Review when you write.

BUSINESS OUTLOOK.

All conditions seem favorable for the best business season in the history of the trade. The country was never before in so prosperous a condition and the florist is sure to get his share, if he keeps up with the times. The following from a recent review of the general business situation is very pleasant reading:

All things considered this country never before approached the close of a year with its commercial and financial affairs so strong or with sentiment so confident as is the case today. The treasury gold reserve has this week reached the highest point in the history of the United States, crossing the \$246,000,000 mark, while foreign trade statistics continue to show an increasing balance on merchandise account in this country's favor. A remarkable feature of the November statement is the fact that imports decreased in the face of the largest trade movement ever known. For eleven months the excess of exports reaches the enormous figures of \$537,837,046, or nearly double the excess for the corresponding period last year.

The splendid Christmas trade we have just enjoyed gives a realizing sense of what these favorable conditions mean to us, and is an augury of a most satisfactory season.

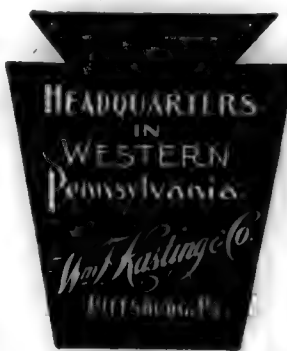
MINNEAPOLIS, MINN.

Christmas trade was better than ever and the florists are happy. Sales were from 30 to 50 per cent larger than last year. Cut flowers were about equal to demand with prices rather high. Plants seem to take their place in many cases, due probably to the fact that the prices of these do not advance as with cut flowers. Palms and azaleas were in especially good demand and they seem to be more popular every year. There was a large supply of azaleas and all sold. Weather was as fine as could be expected. N.

WHENEVER you need any rare supplies not offered in our advertising columns, write us about it. We will place you in communication with some one who can supply what you want.

ROSES,
Carnations,
VALLEY,
FERNS,
GALAX and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

Consign-
ments of
good stock
solicited.



We get
daily new
customers
because
we have
the
reputation
that
all orders
are
punctually
filled.

Long
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Telephone
2985.

WHOLESALE FLORISTS, 444 Sixth Ave.

All kinds of FLORISTS' SUPPLIES and
WIRE DESIGNS always on hand.

Mention Florists' Review when you write.

KELSEY'S SOUTHERN Galax Leaves

Brilliant Green and Bronze.

Information of the Introducer,

HARLAN P. KELSEY,

Prop. Highlands Nur- 1106 Tremont Bldg.,
sery in North Carolina. BOSTON, MASS.

Mention The Review when you write.

Cut Flower Exchange,

404 - 412 East 34th St., New York,

NEAR THE FERRY.

Open Every Morning at 8 o'clock for the sale of
CUT FLOWERS.

Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

Mention The Review when you write.

E. G. Hill & Co.

Wholesale
Florists,

RICHMOND, - INDIANA.

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GIVE US
A
TRIAL.
WE CAN
PLEASE
YOU.



Roses,
Carnations
and all
kinds of
Seasonable
Flowers
in stock.

WM. F. KASTING, Wholesale Com-
mission Florist,
495 Washington St., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire
Designs.

Mention Florists' Review when you write.

WM. J. BAKER,

WHOLESALE
CUT FLOWERS,

1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

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WM. C. SMITH

Wholesale Florist,

1604 Ludlow St. PHILADELPHIA.

LONG DISTANCE PHONE.

Consignments of Choice Stock Solicited.

Our central location enables us to fill out-of-town or-
ders at short notice.

Mention Florists' Review when you write.

EDWARD REID,

Wholesale
Florist,

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DISTANCE
PHONE.

1526 Ranstead St., PHILADELPHIA, PA.

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American Rose Company,

Specialists in

HAND FERTILIZED
CARNATION SEEDS

from named varieties.

WASHINGTON, D. C.

Mention Florists' Review when you write.

Rose Hill Nurseries.

Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

Largest stock in America.

SIEBRECHT & SON,

New Rochelle, N. Y.

Mention Florists' Review when you write.



51 Wabash Ave. CHICAGO.
W. S. HEFFRON, Mgr.
Price List taking effect Thursday, Dec. 29.

ROSES.

Am. Beauties, long, per doz.....	\$5.00—\$8.00
" medium, per doz.....	4.00—6.00
" short,	1.50—2.50
Meteors, Maids, Brides and Kaiserin, per 100,	8.00—10.00
Perles.....	4.00—6.00
Roses, seconds, average.....	4.00—

CARNATIONS

Are Our Specialty.

Fancy varieties, fancily grown.....per 100,	\$4.00
Ordinary varieties, fancily grown	3.00
Ordinary varieties, average stock.....	2.00

Miscellaneous.

Alyssum.....per 100,	\$.50
Marguerites	1.00—
Callas	2.00—
Harrisii	2.00—3.00
Romans	3.00—
Narcissus	3.00—4.00
Stevia, very fine	1.50
Valley	5.00—
Violets	1.50—2.00

Decorative.

ASPARAGUS.

Per string.....	\$.60
-----------------	--------

FERNS.

Per 100, 20c	per 1,000, \$1.50
Original cases, 4,000 to 6,000.....	1.25
Maiden Hair.....per 100,	\$1.00—

GALAX.

Bronze and Green, per 100, 15c	per 1,000, \$1.00
Original cases, 10,000.....	.75

SMILAX.

Common, very fine	per doz., \$1.50
Wild, Parlor Brand case.....	3.75
Medium case.....	5.50
Large case	8.00

All other flowers in season at lowest market rates.

Above quotations are subject to change without notice. P. and D. at cost.

Use the code. It will save you money. We know what it means. Get your orders in as early in the day as possible.

Store open from 7:00 A. M., until 6:30 P. M. Sundays and Holidays closed at noon.

Mention The Review when you write.

Chrysanthemum Stock Plants.

FIFTY-THREE

COMMERCIAL VARIETIES.

Send for price list.

American Rose Co., Washington, D. C.

Mention Florists' Review when you write.

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Palms and Ferns...

WE HAVE A LARGE STOCK IN FINE CONDITION.

We guarantee safe arrival if shipped by Express.

CORRESPONDENCE SOLICITED.

Ellis & Pollworth, - Milwaukee, Wis.

Mention The Review when you write.

SPECIAL OFFER of.....

Large ARECA LUTESCENS.

ELEGANT SPECIMENS, and of such form and character that they can be recommended for any purpose. All have been grown "cool," and are tough and hard. Very bushy (several plants in a pot). The shorter plants are most bushy.

8-inch pots, standing 3½ to 4 feet	\$2.00	10-inch pots, standing 5½ to 6 feet	\$7.00
8 " " " 4 to 4½ "	2.50	12 " " " 5½ to 6 "	8.00
9 " " " 4½ to 5 "	3.00	12 " " " 6 to 7 "	10.00
10 " " " 4½ to 5 "	5.00	12 " " " 6 to 8 "	12.00
10 " " " 5 to 5½ "	6.00	12 " " " 7 to 8 "	15.00

For full line of Palms, etc., send for Wholesale Price List.

CHAS. D. BALL, Holmesburg, Philadelphia, Pa.

M. RICE & CO.

NEW ILLUSTRATED CATALOGUE FOR THE ASKING.

Exclusive Importers and Manufacturers of

Florists' Supplies

25 N. Fourth Street, PHILADELPHIA, PA.

Mention The Review when you write.

F. & F. NURSERIES, SPRINGFIELD, NEW JERSEY

Wholesale Growers TREES and PLANTS in Full Assortment.TRADE CATALOGUE FREE.

Mention The Review when you write.

Premium American Pansy Seed...

For Greenhouse Planting.

Grown by

WILLIAM TOOLE, Pansy Specialist, BARABOO, WIS.

Hesperian Mixed, pkt., 25c; trade packet, 50c. Selected Mixed, pkt., 15c; trade pkt., 30c; ½-oz., 70c; ¼-oz., \$1.20; 1 oz., \$4.00.

Extra Choice Mixed, pkt., 10c; trade pkt., 20c; ½-oz., 50c; ¼-oz., 75c; 1 oz., \$2.50. ½-oz. at 1 oz. rates. Catalogue describing 80 varieties and mixtures with full directions for culture of pansies free to any address.

Mention The Review when you write.

GERANIUMS

Grand bedders

Acteon, Brantii,

Heteranthe, La

France, L. Kel-

way, Theocrite, Cts. de Castries and a host of other double and single. Rooted Cuttings, \$1.40 per 100; \$10.00 per 1000. Replanted extra strong, \$13.50 per 1000. COLEUS. Red Verschf. and G. Bedder, by mail, 75c per 100. 25 Select Fancy, 65c per 100. Full list of stock ready. Cash with order, DANIEL K. HERR, - - Lancaster, Pa.

Always mention the Florists' Review when writing advertisers.

PANSIES WORTH RAISING

Good Small Plants from cold frames or greenhouse only, at \$4.00 per 1000. All others not accessible at present. Cash with order. SEED as usual.

C. SOLTAU & CO., 199 Grant Ave., Jersey City, N. J.

Mention The Review when you write.

Palms, Ferns and House Plants:

AND HOW TO TREAT THEM.

A New 16-page Envelope Size Catalogue to be given to customers.

It will gain business for you. SAMPLE FREE.

Dan'l B. Long, Publisher, Buffalo.

Mention Florists' Review when you write.

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Florists' Review

When Writing Advertisers.

CRANE IS A GREAT RHYMESTER.

Charles S. Crane, the general passenger agent of the Wabash, is quite a poet, and has written many nice things. Recently he read the poem on the "Music of the Wheels," written by E. E. Coyle, for the Baltimore "Morning Herald," which runs as follows:

MUSIC OF THE WHEELS.

When you're riding on the railroad
At a mile-a-minute crack,
Do you ever note the rhythm
Of the wheels along the track?
Is there any great composer
Of sharps and flats and bars
Can equal in his cadences
The music of the cars?

Whether dashing through the meadow,
Or the tunnel's choking grime,
You will never hear them falter
From the measured beat of time;
Charging wildly 'mongst the mountains,
Or by the river's bank,
You will always find them playing--
Click-clickety-click-clank.

Every air that has been written
Since the days of wicked Cain
Finds a fit and perfect setting
In the rhythm of the train;
From opera to comic song,
From Patti down to Cline,
You can hum all sorts of ditties
While rushing down the line.

After reading the above Mr. Crane got his typewriter in order, and by screwing up the poetical lever ground off the following:

It's too bad to spoil the story
Told in cadence sentimental
But it's not so on the Wabash
With its famous "Continental."

If you are about to travel
Please note the following points,
The Wabash track is perfect,
And you cannot count the joints.

In its wheels there is no music,
At a mile-a-minute gait;
And of course there is no rhythm
On a track that's up-to-date.

There is no measured beat of time;
In fact it can't be measured.
We beat our rivals every time,
A fact that should be treasured.

DES MOINES, IA.

I. W. Lozier is fitting up the building at 408 E. Sixth St., as a thoroughly up-to-date florist's store, and will occupy it when ready. The building is being entirely remodeled, with elegant plate-glass front, and the fixtures will be of the finest. In the near future a handsome conservatory will be built in connection with the store. Albert G. Lozier will be manager of the new store and conservatory.

Mr. Lozier reports Christmas trade as 50 per cent larger than last year, and he looks forward to an unusually prosperous business during 1899.

He has added three new houses to his greenhouse plant and now has seven well built, perfectly equipped and well stocked houses. G.

Macomb, Ill.—Christmas trade here has been at least 25 per cent better than last year. Palms and flowering plants especially, sold well at good prices, and by 10 a. m. Sunday morning nothing was left to sell.

MALTA, O.—W. C. Scovel reports business as steadily improving, and that sales for 1898 were 40 per cent in excess of those for 1897. The outlook for 1899 is excellent.

DREER'S SUPERB... Double Fringed Petunias



FOR thirty-five years we have made a Specialty of the PETUNIA. This year we again offer a set of fifteen varieties, unsurpassed either in this country or abroad. The plants are well established in three-inch pots, full of vigor and will furnish quantities of cuttings in a short time.

These plants must not be compared in price with rooted cuttings or plants just potted off. The set is

composed of the finest colors, especially suited for the retail trade. \$1.00 per doz.; \$8.00 per 100. The set of 15 varieties for \$1.25. DOUBLE FRINGED PETUNIA SEED, our own saving, 75 cents per 500 seeds; \$1.50 per 1000 seeds.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

Mention The Review when you write.

Herr's Carnations.

YOU RUN NO RISK.

All Carnation Cuttings are sent out with the privilege of returning them at my expense if they are not found satisfactory on receipt and your money returned in full.

I have from 1,000 to 5,000 stock plants of each of the leading varieties, and offer Rooted Cuttings at very reasonable prices. Correspondence solicited.

ALBERT M. HERR,
LANCASTER, PA.

Mention The Review when you write.

GERANIUMS. S. A. Nutt, Marvel, and other standard varieties, 2-inch pots, \$2.00 per 100.

ASPARAGUS SPRENGERII. Strong plants, 2½-in. pots, \$6 per 100

BOUGAINVILLEA. Large, bushy plants, 4-inch pots, \$10.00 per 100.

CARNATIONS all sold.

NATHAN SMITH & SON, Adrian, Mich.

Mention Florists' Review when you write.

WESTERN FLORISTS.
Stock Chrysanthemums

Best standard sorts, \$1.00 per doz.
W. H. Chadwick, Frank Hardy, Merry Christmas, Yellow Fellow, etc., 25 cents each.
Write us your wants in the Florist's line.

L. J. STUPPY, ST. JOSEPH, MO.

Mention Florists' Review when you write.

VERBENAS Rooted Cuttings, Well Rooted.

Mrs. Cleveland, Candidate, Aurora Borealis, J. C. Vaughan, Suppola, Miss Arthur, Crimson Bedder, Pink Beauty, Francis, Negro, Swayne's Beauty, Invincible. Per doz., 15c, 70c per 100, \$6.00 per 1000, \$25.00 per 5,000, \$45.00 per 10,000. Express prepaid to all parts of the U. S. and Canada.

S. T. DANLEY, - - Macomb, Ill.

Always mention the Florists' Review when writing advertisers.

50,000 Rooted Cuttings

	Per 100
Begonia Incarnata Gigantea.....	\$2.00
" Rex, mixed, Mrs. Pollock.....	2.00
" Rex, 30 named varieties.....	4.00
Coleus, 50 varieties.....	1.00
" mixed.....	\$5.00 per 1,000.....
" separate colors, 6.00.....	.75
Ageratum, Geraniums, mixed.....	1.00
Geraniums, separate kinds.....	1.50
" bronze, lemon verbenas.....	1.50
" silver leaf, rose scented.....	1.50
" Mme. Sallerii, Vinca var.....	1.25
Impatiens Sultana, assorted.....	2.00
Pelargoniums, assorted, named.....	4.00

POTTED PLANTS.

Begonia Incarnata Gigantea.....	2½-in. 4.00
" Rex, mixed.....	4.00
" Rex, 30 named varieties.....	6.00
Cinerarias, best strains.....	3.00
Asparagus Plumosa Sprengerii.....	6.00
Impatiens Sultana.....	3.00
Geraniums, Silver Leaf.....	4.00
Lemon Verbena.....	4.00
Forget-me-not, winter flowering.....	8.00
Vincas Var., 2-inch, 3-inch, extra.....	\$2.00 to 4.00

Write for prices on other stock or for large quantities. Terms Cash or C. O. D.

GREENE & UNDERHILL,
Watertown, N. Y.

Mention Florists' Review when you write.

INSURE AGAINST FIRE
Florists' Mutual
Fire Insurance Ass'n.

ADDRESS W. J. VESEY, Sec'y,
FORT WAYNE, IND.

Mention Florists' Review when you write.

Choice Primulas, Assorted, Budding, in 3-in. pots, at \$3 per 100.

If given a half inch shift would soon be ready for retail trade.

Geraniums, Fall Rooted, best market sorts, 2½-in., \$2.00 per 100.

Cyclamen, Well Budded, 3-in., 75c per dozen; 4-in., \$1.00 per dozen.

RICHARDS & SHEPPARD, Coatesville, Pa.

Always Mention the....

Florists' Review

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FELTHOUSEN Wants Room.

Read this and let us hear from you.

Remember, our Geraniums are grown in flats and in soil. Our selection, \$1.50 per 100, \$12.00 per 1,000. Mme. Salleron, same price and grown in soil. Rose Geraniums, \$2.00 per 100. Ageratum, blue and white, 60 cents per 100, \$5.00 per 1,000. Fuchsias, standard sorts, \$1.50 per 100, \$12.00 per 1,000. Fever Few, Little Gem, from flats and in soil, \$1.25 per 100, \$10.00 per 1,000. Salvia Splendens and Bedman, \$1.00 per 100. Heliotrope, six varieties, \$1.00 per 100, \$9.00 per 1,000. Vinca Variegata, cuttings, \$1.25 per 100, 4-in. stock, fine, \$3.00 per 100, \$30.00 per 1,000. Coleus, all the best varieties. C. Verschaffeltii and Queen, 75 cents per 100, \$8.00 per 1,000. Coleus, in variety, 60 cts. per 100, \$5.00 per 1,000. The above are Rooted Cuttings, except when noted.

Cash must accompany all orders.

J. B. FELTHOUSEN, Schenectady, N. Y.
Mention The Review when you write.

ORCHIDS....

CATTLEYA FLOWERS of finest quality always on hand. Orders from unknown parties must be accompanied by cash. Orders taken now for **Cattleya Labiata Plants**, spring delivery.

Lager & Hurrell, Growers and Importers.... Summit, N. J.
Mention Florists' Review when you write.

Areca Lutescens,**COCOS WEDDELIANA,****KENTIA BELMOREANA,****LATANIA BORRONICA,**

FOR PRICES AND SIZES

See Florists' Review, November 17th, page 660.

JOSEPH HEACOCK, Wyncote, Pa.

Mention Florists' Review when you write.

OUR SPECIALTY!

Rooted Cuttings of

New Varieties of Carnations.

Special prices to those who issue lists or buy to sell again. Let us know what you are going to need.

GEO. HANCOCK & SON, Grand Haven, Mich.

Mention The Review when you write.

The Cottage Gardens,**C. W. WARD, QUEENS, L. I.**

Manager.

WHOLESALE GROWERS.

FLORISTS' SPECIALTIES.

Mention The Review when you write.

Brilliant Green and Bronze

Galax Leaves**CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.**

Mention The Review when you write.

"CONTINENTAL LIMITED."

NEW FAST TRAIN EAST VIA THE WABASH.

Leaves Chicago daily at 12:02 noon; arrives Detroit 8:20 P. M., Buffalo, 5:00 A. M. New York 3:30 P. M., Boston, 5:50 P. M.—only one night on the road. Through sleeper. Ticket Office, 97 Adams Street, Chicago.

Always mention the Florists' Review when writing advertisers.

New Carnation Evanston

**A Glowing
Scarlet Sport
From Tidal Wave.**

It has been a "Money-maker" with us the past three years and will be the same with you. Treatment same as for Tidal Wave.

**Rooted
Cuttings...**

\$7.00 per 100
\$60.00 per 1000

500 at the
Thousand rate.

M. WEILAND, EVANSTON, ILL.

Mention The Review when you write.

ASPARAGUS

50,000 Plants, 2 1/2-in. pots, \$5.00 per 100, express. 24 by mail for \$1.50

SPECIMENS
FOR 8-INCH POTS,

\$6.00 per 12.

SPRENGERI**ABLANC AND CO PHILA**

Mention Florists' Review when you write.

JUST RECEIVED FROM JAPAN in fine condition:

LILIU SPECIOSUM ALBUM, extra size, at	\$100.00 per 1,000
" " RUBRUM	60.00 "
" " MELPOMENE, extra size, at	100.00 "
LILIU AURATUM, 7 to 9 inches, at	80.00 "
" " 9 to 11	50.00 "

We have still left a few thousand of our **WHITE ROMAN HYACINTHS**, 12 to 15 centimetres, which we offer to first comer at **\$10.00 per 1,000**

J. M. THORBURN & CO., 36 Cortlandt St., NEW YORK.

Mention The Review when you write.

ESTABLISHED
1866**EMIL STEFFENS**SUCC.^{TO} H. STEFFENS,
AND STEFFENS BROS.

FLORISTS' WIRE DESIGNS & SUPPLIES
335 EAST 21ST ST. NEW YORK CITY.

Mention Florists' Review when you write.

Carnations.

F. Dorner & Sons Co.
La Fayette, Ind.

Always Mention the....

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When Writing Advertisers.

PELARGONIUMS. 15 of the leading varieties, all good kinds. Rooted cuttings \$2 pr 100; 2 1/2-in. pots, \$4 pr 100.
VERBENAS. 30 of the leading kinds. Rooted cuttings 60c per 100; \$5 per 1000, 5000 for \$23; 10,000 for \$40.
PETUNIAS. 15 of the best and latest varieties, not all one color, under different names. Rooted cuttings, \$1.25 per 100; \$8 per 1000.
HELIOTROPE. 8 varieties. Rooted cuttings \$1 per 100; \$7 per 1000.
COLEUS. 20 good varieties. Rooted cuttings 60c per 100; \$5.50 per 1000. Express prepaid on all varieties except Pelargoniums. Satisfaction guaranteed or money refunded. CASH PLEASE. Write for list to

S. D. BRANT, Clay Centre, Kas.

Always mention the Florists' Review when writing advertisers.

DUTY ON PLANTS.

Plants not "bulbs, bulbous roots, or corms," dutiable under paragraph 251, act of 1897.—Classification of flowering plants, etc., as nursery or greenhouse stock under paragraph 252, act of 1897.

Before the U. S. General Appraisers at New York, December 19, 1898.

In the matter of the protests, 28362f-11499, etc., of M. Shroeder et al., against the decision of the collector of customs at New York, N. Y., as to the rate and amount of duties chargeable on certain merchandise, imported per vessels and entered on dates as per schedule.

Opinion by WILKINSON, General Appraiser.

The merchandise consists—

(1) Of palms, azaleas, and other plants, not "bulbs, bulbous roots or corms," named in paragraph 251, act of July, 1897, and classified thereunder.

(2) Of gooseberry bushes, multiflora rose plants, clematis, rhododendron, lilacs, wisteria, and various flowering plants, of quince, pear, and other fruit stock and of California privet, spirea, Thuya occidentalis, Norway maples, and other ornamental plants.

The importers claim that owing to the phrase "all other bulbs, bulbous roots, or corms," paragraph 251 provides only for plants which are bulbs, bulbous roots, or corms, and they claim that all of their goods are entitled to free admission as crude vegetable substances under paragraph 617, or dutiable at 10 per cent or 20 per cent under section 6.

As palms and orchids named in paragraph 251 are not bulbs, bulbous roots or corms, we give no weight to the claim for the controlling effect of the word "other."

And were no plants specially named in paragraphs 251 and 252, we are of the opinion that the provisions of paragraph 252 for all fruit and ornamental trees, shrubs, plants, and vines commonly known as nursery or greenhouse stock broad enough to embrace all the articles covered by the protests.

The assessment of duty is affirmed.

NEW YORK.

The employers and employees of the well known firm of Hitchings & Co., Greenhouse Builders and manufacturers of Heating and Ventilating apparatus, numbering three hundred strong, with offices and factory at 233 Mercer St., New York city and foundry in Jersey City, will congregate at Columbia Hall in Jersey City on the evening of January 31st, with their relatives and friends, wives and sweethearts to celebrate their grand Annual Ball. Gardeners generally and friends of the Company are cordially invited to attend. Tickets may be had by addressing Mr. J. McArthur, Chairman Entertainment Committee, care of above company.

YOU CAN BUY all your trade supplies to the very best advantage from advertisers in The Florists' Review, and at the same time advance the interests of your paper.

BUY Jadoo Fibre and Liquid!

TRY Jadoo Fibre and Liquid!

Use it according to instructions.
Form your own opinion from the results obtained.
Good commercial plants can be raised by the use of one-third **Jadoo Fibre**, and they will be better plants than can be grown in any known compost.

SEND FOR OUR CATALOGUE.

The American Jadoo Co.

817 Fairmount Ave. PHILADELPHIA, PA.

For Sale by ALL PROMINENT Seedsmen and Dealers.

Mention The Review when you write.

JUST ARRIVED from

FRANCE -- Roman Hyacinths, Narcissus, Freesias, etc.

JAPAN -- Lilium Longiflorum, all sizes. Crop short.

HOLLAND -- Hyacinths, Tulips, Narcissus, Crocus, etc.

CHINA -- Chinese Secred Lilies.

On hand:—Extra selected **Lily of the Valley**, 2,000 in a case \$24.00

From cold storage:—A fine lot of **Araucarias**.

State quantity needed and prices will be cheerfully given by

F. W. O. SCHMITZ, - - JERSEY CITY, N. J.

Mention Florists' Review when you write.

Burpee's Seeds Grow

"The Orchid Hybrids"

Record of over 3,000 crosses;
334 pp., Royal octavo.

Forwarded registered mail \$3.00 by
upon receipt of

GEO. HANSEN, Berkeley, Cal.

Mention Florists' Review when you write.

1840 Old Colony Nurseries, 1899

HARDY SHRUBS, TREES, VINES, EVERGREENS and PERENNIALS.

A large and fine stock of well-rooted plants, grown in a sandy loam. Good plants, best sizes for planting; very cheap.
Priced Catalogue free on application.

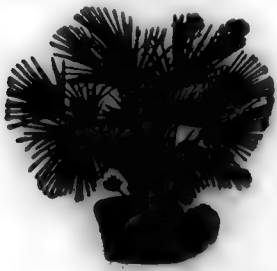
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" ".....	6-in.	24-28	8-10	.75	9.00
" ".....	8-in.	40-50	15-20	2.50	30.00
Cocos Weddelliana.....	3-in.	10-14	4-6	.25	2.50
Kentia Belmoreana.....	6-in.	24-28	5-7	1.50	18.00
" ".....	8-in.	36-40	4-6	2.50	30.00
" Forsteriana.....	6-in.	32-36	3-5	1.25	15.00
Latania Borbonica.....	4-in.	14-18	2-3	.25	3.00
" ".....	6-in.	20-24	5-6	.75	9.00
" ".....	8-in.	24-30	5-6	1.50	18.00
" ".....	9-in.	34-38	7-8	2.50	30.00
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" ".....	2.00	24.00
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" ".....	.25	3.00
" Plumosus Nanus, 2 " ".....	\$5.00 per 100	
" ".....	.50	6.00
" ".....		1.00
" ".....		1.50
Dracaena fragrans, strong plants from 5-in. pots.....	.50	5.00
Pandanus utilis, " " 5 ".....	.50	5.00
" Veitchii, " " 7 ".....	2.00	24.00
Peperomia Verschaffeltii, strong plants from 3-in. pots.....		1.00
" ".....		1.50
Sansevieria Javanica Variegata, from 3-in. pots.....		1.25
Cyperus alternifolius, strong plants, 4 ".....		1.00
" ".....		1.50
Selaginella Emiliana, nice plants from 4-in. pots.....		1.50
" Martensii, " 4 ".....		1.50

FERNS.

VARIETIES.	Size Pot.	Doz.	Per 100	VARIETIES.	Size Pot.	Doz.	Per 100
Adiantum cuneatum.....	2-in.	\$0.50	\$ 4.00	Nephrolepis pectinata....	6-in.	3.00	25.00
" ".....	3-in.	1.00	8.00	" exaltata.....	4-in.	1.50	12.00
" ".....	5-in.	2.00	16.00	" ".....	5-in.	2.00	16.00
Cyrtomium falcatum.....	3-in.	1.00	8.00	" Bostoniensis.....	10-in.	30.00	
Lomaria gibba.....	3-in.	1.00	8.00	" ".....		\$2.50 each.	
" ".....	4-in.	1.50	12.00	Pteris Umbrosa.....	4-in.	1.50	12.00
Nephrolepis pectinata....	4-in.	1.50	12.00	" serrulata.....	2-in.	.50	4.00
				" ".....	2-in.	.50	4.00

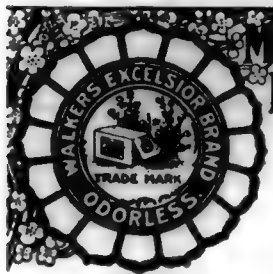
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WILTON, IA.—At the recent annual meeting of the Wilton Fair Association, Mr. John Belmford, the florist, was elected secretary.

CAMDEN, N. Y. — Christmas trade was 30 per cent better than last year. Meteors brought \$3, Maids \$2.50 and Brides \$2 a dozen. Carnations, 50 cents a dozen. There was a marked increase in the sales of palms and azaleas.

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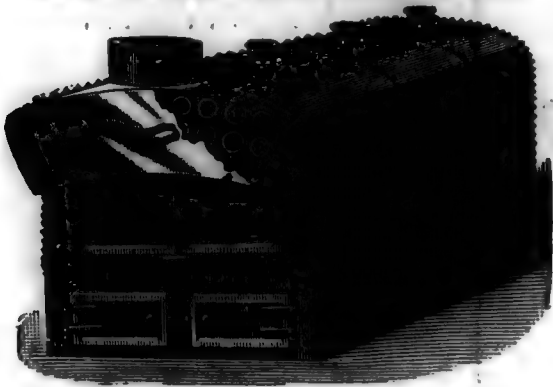
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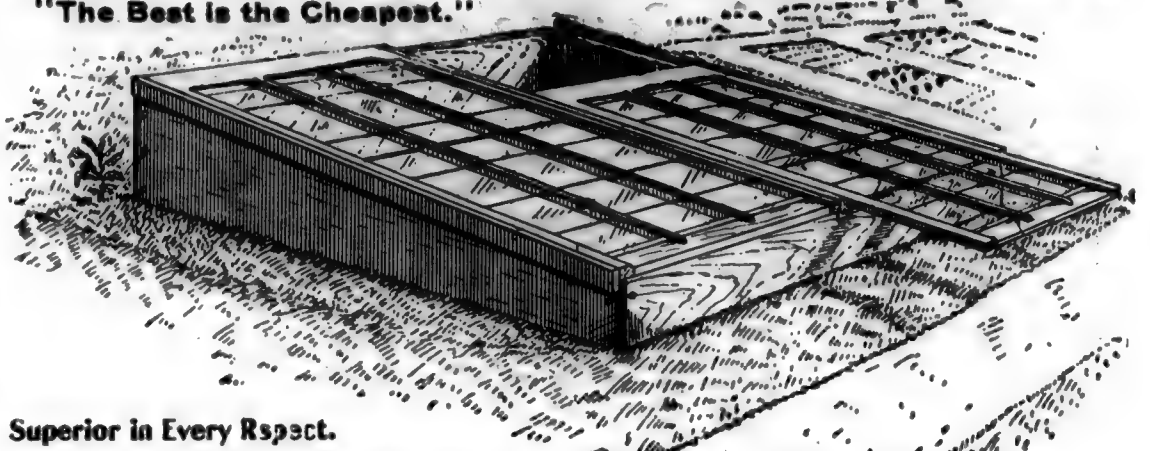
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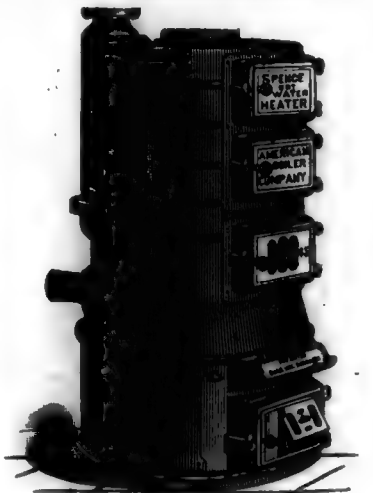
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Vol. III.

CHICAGO AND NEW YORK, JANUARY 5, 1899.

No. 58.

ARECA BAUERI.

The palm so well known under the name of Areca Baueri, and of which we illustrate a young plant in the present issue, is another of those unfortunate plants that has been christened and rechristened by the botanical experts, and though many of us first knew and appreciated it under

the short and easy title of areca yet we now find that our knowledge was of a mistaken kind and that the palm in question is correctly to be called *Rhopalostylis Baueri*.

But laying aside the question of nomenclature, this palm is one that has been very largely used by commercial growers in Europe especially for many years past, and is really

quite a serviceable plant for decorating, and also one that may be kept in a cool house without injury, a night temperature of 50 degrees doing it no harm during the winter. Under such conditions a rapid growth cannot be expected and will not occur, but this temperature will answer very well for a storage house for the hardier decorative plants.

As may be seen from the engraving *A. Baueri* in a young state bears some resemblance to a *Kentia*, but the leaflets are usually wider and less shiny and the stems more or less covered with furfuraceous scales, the whole plant having a coarser look than the *kentias*. In its native country, Norfolk Island, to which we are also indebted for *Araucaria excelsa*, this palm is said to make a trunk 20 feet high and about 4 inches in diameter and to produce leaves 9 feet long, but as it does not appear to throw out any suckers or branches from the base, such a specimen would seem to be rather more odd than beautiful.

Seeds are produced freely and are frequently offered by the large dealers at quite moderate prices, and when treated similarly to those of *Areca lutescens* by sowing in light soil, keeping moist, and giving strong bottom heat, there is but little difficulty in germinating them.

The after treatment of the seedlings should be the same as for *kentias*, namely, a night temperature of 60 degrees during the winter, and plenty of water. Too high a temperature will encourage the spread of insects, and result in little gain in growth.

W. H. TAPLIN.

BONNAFFON TURNING BLACK.

What is the probable cause of the blooms of Major Bonnaffon turning black at the ends of the petals? We had some fifty plants of above variety,



Areca Baueri.

some planted on bench and some in pots, and all the blooms turned black at the tips of the petals by the time they were half open. We had some twenty-five other varieties in the same house and all treated alike, but this was the only sort so affected. We cannot understand what caused the trouble.

ILLINOIS FLORIST.

We presume the trouble Illinois Florist refers to is damping, or as some prefer to term it, burning. This is generally caused by feeding heavily, particularly where much nitrate of soda has been used. The more fertilizers are used the softer the petals are as a rule, and when the sun strikes them they burn. It is rather peculiar that none of the other varieties were affected, for Bonnaffon does not burn

nearly so readily as pinks or dark shades. This may be accounted for if Bonnaffon happened to be in a sunny position and very close to the glass. Illinois Florist is the best judge of this, as he knows just the position the plants occupied.

We are not troubled with damping, because we always spatter a light shading of whitewash over the houses, with a syringe when the buds are showing color. Stop feeding in good season, shade the flowers when expanding, and maintain a dry moving atmosphere and damping should not be troublesome.

If any other reader has had trouble with Bonnaffon this season we should like to hear his experiences.

BRIAN BORU.

Acacia Armata.

We had a few fine plants of imported armata last year and found they came along too early to be of use. This year we have many more of a more useful size and they want keeping cool; 40 degrees at night is plenty high enough for six or seven weeks.

Crimson Rambler Rose.

At New Year's we brought in this fine rose and, starting very cool and slowly increasing, expect it to be right for Easter. Do not be afraid of its being too early; it will keep a week or two finely after it is open. The forcing will depend much on how the roots are. If they were grown in pots all summer they could be brought into a stronger heat at once and take less time to bring into flower, but if lifted from the nursery in October and potted they will have made no active roots as yet and should not be given a higher temperature than 40 or 45 degrees at most for the first two or three weeks. As they show signs of breaking increase the temperature. Keep the canes syringed. Plants that have three or four strong canes, perhaps 4 feet long, should be tied around some stout stakes; it will make a more compact, handsome plant, and they will break all the better.

Hybrid Perpetual roses that are wanted for Easter will want the same conditions; twelve weeks is not too long to give them in the houses, for it enables you to bring them along gradually, and insures better results.

Cytisus.

Shift and shear back for the last time the Cytisus racemosus. Our last size to shift in is a 5-inch pot. Big plants of this don't go with us, but a compact little plant, covered with flowers, sells at a profitable price. An early Easter will also suit the cytisus, for it is generally a little too previous to suit us; 45 degrees will do first rate for the next month.

Begonia Vernon.

This has become with us a most important bedding plant, or for general summer use. We raised a lot from seed sown last August; they are now stocky, broad, little plants, and we are going to put five or six in an 8-inch pan and give them a warm, light and dry house, and believe they will be a great acquisition at Easter, for I believe they will be covered with their pretty pink and white flowers.

Stevia Serratifolia.

We found it as useful as ever this season. Don't have them all dumped out, but put away a few cut down plants for propagating in March.

Cypripedium Insigne.

This is the time to increase your stock of this beautiful and easiest to grow of orchids. Christmas would finish up the flowers and now the

MISCELLANEOUS SEASONABLE HINTS.

You will now be able to attend to many things that previously you had to leave alone.

Astilbe Japonica.

Pot up all the Astilbe (Spiraea) Japonica you want for Easter and get it going in one of your houses. From New Year's to Easter is but a day or two over 12 weeks this year, and the astilbe is better brought along without such a violent heat. Any soil is good enough to grow them in, but don't stint them for pot room or you will have to stand over them with a hose. Don't forget to have some astilbe kept dormant for Decoration Day.

Lilies.

Two weeks ago I said a little about lilies, but not all I wished. It is easy to get late with your Easter lot, for you have perhaps not hurried them. You will need to sort them into batches, giving some more heat than others. Don't be late in tying them to a cane or cedar stake; it is best done before they get loose at the neck, where they are easily injured. It is pretty well believed now that the bursting or shredding of the petals is caused by the puncture of the aphids when the flower bud is very small. We all know that the greenfly will "hold a convention" or family gathering away down in the heart of the growth, where you cannot see them and where it is almost impossible for the fumes of tobacco to do much good. It will do great good in addition to fumigating to go over

every plant every two or three weeks till the buds are fully seen and syringe a mixture of the Rose Leaf extract of tobacco in the crown of leaves. Here is where you can use this article to the best advantage. If you use the Rose Leaf extract dilute in 75 parts of water; if "Nicoteen," dilute 200 times; the latter is much stronger and will burn if too strong.

Azaleas—Rhododendrons.

The Easter azaleas should be stood over, all that young growth rubbed off which robs the flower buds of their strength, and they should be put into houses as their earliness demands. With the early Easter it will suit the majority of the best varieties to keep them now for the next six weeks in a night temperature of 45 degrees; that will be plenty hot enough.

There are a few varieties (Emperor de Brazil is one) that will stand to be 5 degrees hotter. Easter was two weeks earlier last year and a fine lot of azaleas were just two weeks too early, so this year we ought to have no trouble. Still that glorious variety, "Madame Van der Cruysen," will be better at even 40 degrees for several weeks to come.

Rhododendrons will do very well in 50 degrees at night. They do not come along so fast as azaleas, and if you see in four or five weeks that their large flower buds show no signs of swelling give them a higher temperature and plenty of moisture, both at root and leaf.



Store and Conservatory of Mr. Thomas Galvin, Boston.
[Erected by Lord & Burnham Co.]

plants are in the right condition to separate. Small or medium sized plants give rather the best flowers and if divided at once before any growth is advanced, it will make no difference to your next fall's crop of flowers.

Ordinary pots are to be preferred to pans, for the roots go down deep among the broken crocks which are used for drainage. If you desire to get as many plants as possible, divide the old plants into 3 or 4 leads. Fill the pots (a 6-inch) at least half full of clean broken up flower pots. For a compost for the plants use $\frac{1}{2}$ each of turfy loam and peat, adding another fourth of chopped up sphagnum and broken crocks. I have very recently seen such grand results from the use of Jadoo with several genera of orchids that I am not afraid to say, add about a fourth of Jadoo to the whole compost mixture. Firm the compost well round the roots and keep the plants well elevated. Surface the soil with half an inch of live sphagnum. It is good for appearance and beneficial to the plants. Water rather sparingly for the first few weeks till growth is assured, but frequently give a light syringing and keep in a night temperature of 55 to 60 degrees. Remember that during the period of growth (the spring

months) this cypridium must have plenty of light, air and water.

WM. SCOTT.

A BOSTON STORE.

We present herewith a view of the store and conservatory of Mr. Thomas Galvin, Boston, erected for him by the Lord & Burnham Company, Irvington-on-Hudson, N. Y.

The total length of the store and conservatory is 97 feet. The store is 31 feet wide, being 2 feet wider than the conservatory, and extends beyond it 27 feet. The height is 32 feet from the sidewalk to the top of the balustrade. The conservatory proper is 70x27 feet at base, the ridge section being 53 feet over all, with 9x9 end cupolas. The height of the conservatory is 32 feet from the sidewalk to the top of the finial on the small cupolas. The heating is by two of the Lord & Burnham No. 4 Standard water heaters.

CARNATIONS—CAMELLIAS.

"W. & L. R." says, "We have a bench of carnations that have been planted inside more than a year, and are in a fair condition. Now how long will they bloom? Expect we will keep them two months longer anyway. Then we want the room for other

things. Daybreak, Scott and McGowan are the varieties." As W. & L. R. live in British Columbia and we are not intimately acquainted with its climate the conditions may be different from the northern eastern states. We were once so tempted by the wealth and prospective crop of a bed of carnations that had flourished all the previous winter and summer, that on the first of September we decided to leave it in for another winter which we did, to our subsequent regret, and we won't do it any more. As you are now too late to renew the bed from outside you can't do any better than leave them and get all the flowers you can up to Easter and then throw them out to make room for other plants.

"Would like to know a good time to take cuttings of camellia and if ripe wood or new." It is only the commoner kinds of camellias that are propagated by cuttings and these cuttings make good stocks on which to graft choicer varieties, the operation of grafting being done in spring when growth commences. Cuttings should be made from wood that is fairly ripened in August or September, wood that has been grown that summer. Take shoots with 4 or 5 eyes. They take some time to root and will not show signs of growth till the follow-

ing spring. A rather close, cool shaded house is the place for the cuttings. Perhaps in the mild climate of B. C. they would do finely in a cold frame. Sand and leaf mould equal parts and well firmed is the proper mixture for the cuttings. Don't pot off till well rooted.

Wm. Scott.

NOVELTIES.

Review of Recent Introductions and Talk on Some Coming Claimants.

[Read by A. Blanc before the Florists' Club of Philadelphia, January 3, 1890.]

Mr. President and Gentlemen: I have been asked to read a paper on novelties of the past and the future, though why this honor has been accorded to me is somewhat of an enigma, as many of you are better posted on the subject. However, I will do what I can under the circumstances.

It has been said that novelties are the staff of life for florists and seedsmen; and it is true that many most prosperous in the business owe their first success to some taking novelty in plants or seeds, which carried them on the tide that led to fortune.

By thousands who take an interest in the new plants introduced from year to year it is to be regretted that the publication of Professor Bailey's "Annals of Horticulture" was discontinued. It was an invaluable work on that subject and on horticulture in general. It is greatly missed by many, as today there is no work to take its place.

To show how few novelties eventually become popular, I might say that in 1891 884 species and varieties supposed to be new were introduced to the American trade—including vegetables and fruits—and I fear that not ten of them are grown in or near Philadelphia at this time. We may perhaps find one or two carnations and chrysanthemums.

One of the first sensational novelties introduced in this neighborhood was chrysanthemum "Philadelphia," raised by Mr. Graham. It did more to advertise our city as a chrysanthemum-growing center than any other plant I know of, and was certainly far ahead of anything raised up to that date. Since then it has been eclipsed by "Pennsylvania," "Carnot," and no doubt by several others.

The chrysanthemum which is good enough to receive a certificate nowadays is hard to improve upon, and the acme of perfection seems attained. I read in a foreign journal that the latest introductions of the most celebrated French chrysanthemist, to whom we always looked for something grand, are very disappointing and actually not worth growing. My opportunities for studying the new chrysanthemums have been so limited that I shall have to refer you to the list of varieties certificated lately published in the trade papers, as it would take too much of your time to give even a list of the meritorious ones.

Chrysanthemum "Ivory" is probably the best for all commercial purposes to date, but, as usual with a good thing, every one has grown it in excess of the demand, and as a result the flowers have been sold at a loss. It may therefore be discarded for some other variety newer but of less merit. The chrysanthemum we do want, I suppose, is one that will bloom continuously from September until Easter, bearing immense, sweet-scented flowers of various colors on one plant—including blue, I dare say. I hear that one is to be offered in New York which is said to bloom from July until New Year, and even later, and is perfectly hardy in the open ground.

ROSES. In roses we have forgotten Her Majesty, Wm. Francis Bennett and hundreds of others supposed to be grand acquisitions; but it is a pleasure to note that American Beauty, the Bride and Bridesmaid (the latter two roses of American introduction) are today the most popular forcing roses in this country. President Carnot has hosts of admirers. The trouble with it is that it will go to rest in January and February; yet some of our best growers still hold on to it and will bring it in for Easter, spring and summer, when it is at its best. Its distinct shade makes it always a seller.

It is a great pity we have discarded Madame Hoste, Mrs. Morgan, Madame de Watteville, and others of this class, as every flower shop in the land feels the need of more variety. The man who will grow a houseful of each of these is sure to find a sale for them at a high price. What we now want is a yellow Bridesmaid with the color of Marechal Nell. The man who gets it need not be afraid to ask \$5,000 for it.

Crimson Rambler certainly jumped into favor with less trouble than any rose introduced for years. It is bound to be found in the gardens of our grandchildren. Those who have seen the hedges of it with thousands of clusters in full bloom can never forget the glorious sight. Its three sisters, Aglala, Thalia and Euphrosyne, have not given the same satisfaction everywhere, being much less hardy and not so suitable for forcing.

Royal Cluster is the name of a new hardy rose to be sent out by the Conard & Jones Co. this year. It is the result of a cross between the Dawson and the Hermosa. It bears clusters of over 100 flowers, the color of which is white, tinted with blush. It has the advantage over Crimson Rambler of having a spicy fragrance, and apparently possesses all the good qualities of Crimson Rambler, which is saying a great deal. Mr. Manda's hybrid Wichuraianas, Triumph, South Orange Perfection, Universal Favorite, Pink Roamer, are fine things for the garden; and his very latest evergreen hybrids, Jersey Beauty, Gardenia and Evergreen Gem, are claimed by those who know to be of immense value for garden purposes, and sure to be grown in all parts of the world.

It is a pleasure to note that the Lord

Penzance Sweet Briars have found many admirers in this country. The new colors found among them make them desirable for amateurs as well as for parks and large gardens. Much was expected of Carmine Pillar, which is such a great favorite in English gardens; but, like the Rugosa roses, it does not seem to please the American fancy.

The Climbing Kaiserin (or Mrs. Peary), a sport from Kaiserin, originated in Wilmington and also with Mr. Chas. Cox, of Philadelphia, will prove a valuable rose for the south; and, if hardy, equally so for the north. The same may be said of Climbing Meteor. Climbing Wootton is now claimed to have proved hardy in this latitude, and is a fine rose for porches or pillars, growing from ten to twelve feet in one season.

No better name than Liberty could have been selected for a new rose, and we congratulate the raiser upon his choice, which will help to make it popular here. It is of a better and more uniform color than Meteor, and has not the fault of producing flowers of too dark a color. In this respect Liberty has a decided advantage. It is grown now by Mr. Asmus and Mr. Alexander Scott and will not be sent out until 1900. Clara Barton, originated in the west, is a sport from Bridesmaid. It is darker and said to be a very distinct shade.

While some grand roses have been raised in America within the last few years, we regret that we are still far behind the English rose grower who some time since advertised to send, all for one shilling, a blue rose, a green rose and a rose as big as a cart wheel. Likewise we are outdone by the Russian gentleman who is said to possess a really black rose. Of the hundreds of French roses sent over at very high prices, none are suitable for forcing in winter and consequently the demand for them has greatly diminished.

CARNATIONS. So many good new carnations have been introduced within the last few years that it would exhaust your patience to talk about them. Besides, you know more of them than I do. It is to be regretted that the prices obtained for cut flowers makes it more and more difficult to grow carnations at a profit, even with the most exhaustive care and the most economic management. In future it will only pay to grow the best varieties, such as White Cloud, Flora Hill, Evelina, in whites; Victor, Triumph, Argyle, Mrs. Joost and others of that class in pinks. Melba is the best among the pinks. It is owned by Robert Craig & Son and John N. May.

A good red one is badly needed, and this want will be supplied next spring by Mr. Fred. Dorner with "G. H. Crane." This variety is equal in size to Jubilee, of as fine a color, and has the advantage of being much freer in bloom. Among other notable newcomers will be J. Whitcomb Riley, a delicately variegated pink and white variety of immense size and many



Greenhouses of Mr. Jos. Gelven, St. Charles, Mo., Looking North.

good qualities. It was raised by Mr. E. G. Hill and is now owned by Messrs. Dailedouze Bros. and Mr. Asmus.

Maceo is a dark crimson, a very free bloomer, raised by Mr. C. W. Ward, who has also Gomez, a crimson as well, brighter and better in color, but not nearly so free a bloomer as Maceo. Mars is a superb scarlet. It is doubtful, however, that it will be sent out the coming season. America, by E. G. Hill, is a red one of great promise.

Mrs. Lawson is probably the finest pink in existence for forcing. It will not, however, be disseminated until the spring of 1900. It is currently reported that \$5,000 has been refused for the stock of this variety, and the report seems to be true. Did the owner make a mistake in refusing?

CANNAS. The word "canna" seems to give most growers the grippe. They have got them badly and cannot get rid of them. Today you can buy them for a song. The cause is again overproduction; and while the demand has doubled or trebled every year, the supply is always too great. Think of one man getting 300 pounds of seed from his patch of cannas, and then imagine how many roots he must have lifted! I have known, however, of foreign varieties, costing \$3 to \$4 each, being left in the ground to freeze. There is said to be an edible canna—and if all cannas were only so, what a paying crop they would be!

In the raising of new and superior cannas we have within the last few years totally eclipsed and displaced the French ones, upon which we used to rely altogether. Today thousands of American cannas are sent abroad, not only to France but also to every part of Europe, Asia, Africa and even Australia. As they interest you so little, I will not take up your time by mentioning all the good varieties, but will refer you to the Florists' Ex-

change of October 8th, in which the opinions of the principal growers are given at length.

You will not make a mistake, however, in growing Philadelphia, President McKinley, President Cleveland, Menelick, Duke of Marlborough and Champion as the best reds; Mademoiselle Berat, Mary Washington, Duchess of Marlborough as the best pinks; Yellow Crozy and Topaz as pure yellows; Klondike as the only true orange; Rosemawr as the best salmon; Maiden's Blush as the best rosy flesh; Gloriosa and Cuba as the best gilt-edged sorts; and Florence Vaughan as still the best spotted variety to date. Black Beauty is not only a beautiful

Although I am personally a great admirer of the dahlia, and have endeavored to help the boom, yet I begin to believe my friend Mr. Craig when he says, "Drop them!" In Pennsylvania, at least, it is a losing business. But if I had the knowledge of their requirements and the warm, sandy soil that our enthusiastic friend Mr. Peacock has at his command, no flower would be more delightful to grow.

In dahlia novelties we are far behind the English growers. None of the latest and best Cactus dahlias—now the only class popular in England—have been grown, or at least shown, in this country. If they are as far superior to the variety Gloriosa and others



Greenhouses of Mr. Jos. Gelven, St. Charles, Mo., Looking South.

dark-leaved sort for bedding, but could well be grown as a decorative plant. Probably every one of these may be superseded by newer and better varieties before long. It is edifying to know that in the raising of new cannas we can still report progress.

DAHLIAS. In dahlias some of us think we beat the world; but I guess it may be easier to beat the Spaniards.

shown here as they are said to be, and will bloom as early or earlier, then indeed there is a grand future in store for them. You all know what splendid exhibitions were made in this hall of such fine flowers as Grand Duke Alexis, Clifford W. Bruton, Wm. Agnew, and other prize winners; and I am sure that Mr. Peacock has some great surprises up his sleeve, with

which he will fill this hall next autumn.

FERNS. The fern that has invaded every household and delighted its purchasers perhaps more than any other plant is certainly the Boston Fern. How quickly it has become popular is well known to you. It was raised near Boston and sent to Kew for a name. *Nephrolepis Bostoniensis* was suggested and adopted. It is one of the very few things of which there was not enough to go around on Christmas. Orders for hundreds of plants in 6-inch pots at \$1 each could not be filled. It is much more graceful than the old *Nephrolepis Exaltata*, which, however, it closely resembles, and seems to stand rough treatment even better. It seems good for a few years to come, and I hear it is to be grown even more extensively than at present.

You will soon learn of a new Giant *Nephrolepis* from Washington, the stock of which is now in possession of Mr. N. Studer and Mr. John H. Ley, who will put it on the market next spring. It is to be called "*Washingtoniensis*." Its proportions are enormous, the fronds growing to a length of eight feet, and a foot in width. It's going to come high, like ———, but I guess we'll have to have it. As a fine large leaf for decorative purposes it is likely to prove useful and valuable.

ASPARAGUS SPRENGERI, by some called Emerald Feather, which I believe I helped to introduce, is another most welcome addition to the list of plants that you cannot well do without. Some big asparagus growers said it would not take, and perhaps they are not growing it yet; but it is safe to say that half a million plants have been raised from the seed alone this year. Being so handy for many purposes and not liable to go back, even in the hands of inexperienced persons, it will continue to be grown very extensively. Many new seedlings of it have appeared lately. I know of six very distinct ones, all of which have merit. One is an almost erect grower; another is of drooping habit with secondary branches growing upwards, or rather backwards; still another is nearly pure white.

BEGONIAS. Begonia Gloire de Lorraine is the best commercial begonia introduced within the last decade. It is very difficult to propagate in winter, because it produces none but flowering wood. But in spring it sends suckers from the base, which are readily rooted and grow freely during the hot summer months. They begin to flower in great abundance when the weather becomes cool in the fall. As a Christmas pot-plant it has no superior. Specimens grown in 7-inch pots, 18 inches by 18 through, sold readily at \$30 per dozen, and in some cases at \$48. That's pretty good for plants grown in summer and without much cost for fuel. I believe it has come to stay.

Duke Zoppelin is a most useful and attractive tuberous variety, and will become a favorite for bedding. It

stands the sun better than any other begonia I know of, is very dwarf in growth, and is not approached by any other in brilliancy of its color. It is a dazzling scarlet and very double. It is a German variety, introduced by the Dreer Company. A new double-flowering Begonia Vernon is soon to be placed upon the market. Its color is very bright and the flowers are of fair size.

While on the subject of begonias I should mention that some superb Rex varieties have been offered recently, notably Princess Charles of Denmark; but unfortunately this class has been attacked by a fungoid disease which destroys the leaves and frequently kills the plant. The disease is common in many sections of this country and in England.

A plant which has apparently escaped your notice is *Campanula Mirabilis*, of which the English journals speak in most enthusiastic terms as a free-blooming pot-plant. The Bell-Flowers have been considered hard to grow, at least in the east, but I don't know what Mr. Thorpe would have done without them at the World's Fair. It is to be hoped that some of our energetic members will give this variety a chance. The seed is offered by Dreer and by Michell.

The "*fin de siecle*" novelty was thought to be *Acalypha Sanderi*; and no more interesting plant could be desired. Although it is now said to have been known and described under four or five different names years and years ago, Mr. Sander, of St. Albans, should be given great praise for re-introducing it. No other plant has created such a sensation here or abroad. It seems to take the fancy of the public as well as of the grower. Its success is assured, and I know positively that orders for 5,000 lots had to be refused, even for future delivery. This ought to be a pointer to those who have a stock of it. Few of you may know that it is a climber, reaching a height of 8 to 10 feet. Its drooping flower-spikes of "*floral tales*," as some have called them, must then be very attractive. Its proper name is *Acalypha Hispidula*, but some think a popular name is required. One party has suggested the Crimson Cat's Tail or the Cat's Crimson Tail, which is about as bad as "*Caturus Caudatus*," under which it was known years ago.

Among the plants that will be offered as new this year are many that will be found worth growing even by florists. Not the least important is

PRIMULA FORBESI, or "*The Baby Primrose*," which has suddenly become a favorite and in great demand. Perhaps you have all seen it lately, and yet you may not realize what a very good thing it is. When I tell you it begins to bloom while small enough to grow in a thimble, blooms ten months a year in succession, fills six-inch pots in about four months, or large pans in about six, and then carries 50 to 100 flower spikes at one time; when I say that this week I saw some flowers

which were cut Thanksgiving day and were not wilted yet, that \$2 per 100 has been paid for the sprays, that it can be grown in a cold-house or in frames where Marie Louise violets will bloom, then you will not wonder that I am enthusiastic about it. The man who has a houseful of it by Easter ought to coin money. It can be benched closely and makes an elegant pot plant, salable at any time while in bloom.

Another good pot plant is **RUELLIA MACKOYANA**, a Belgian novelty recently exhibited at Ghent. It is a fine plant for growing in shady places, where others would die. Its dark, velvety, olive-green foliage, veined with white, is quite ornamental, and its carmine red flowers appear during nearly the entire year. It has been twice color-plated in Europe, an honor accorded only to good things. It will soon be offered by the thousands.

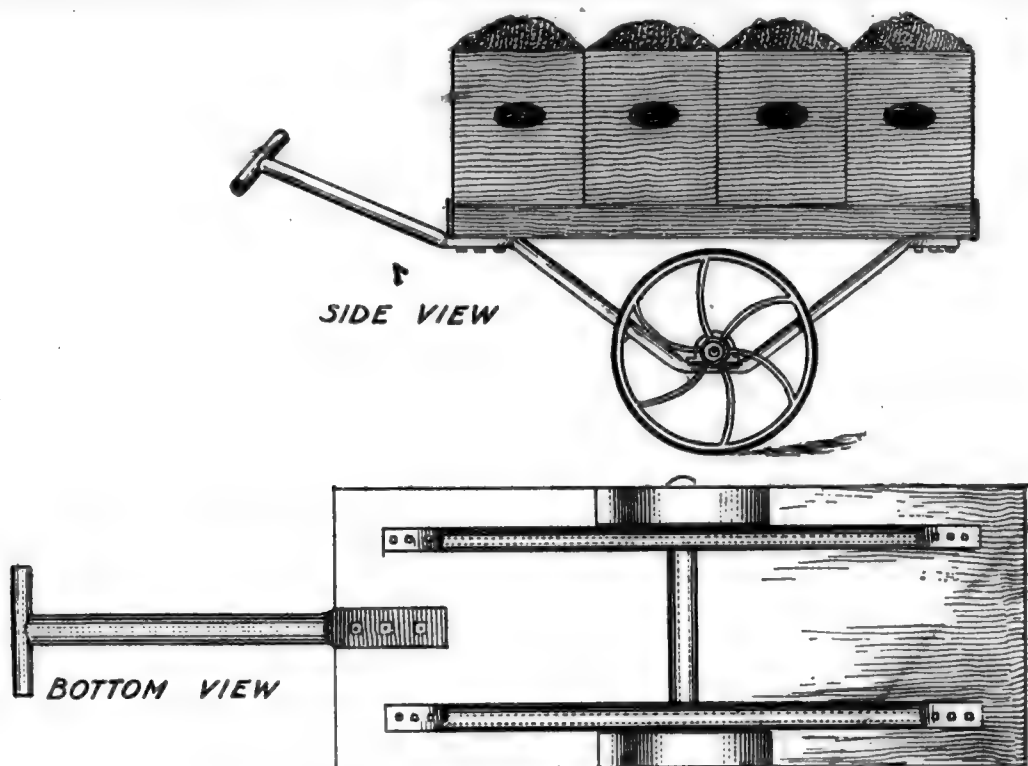
It will surprise many of you gentlemen to learn that some fifty new seedling crotons raised by Mr. Lonsdale promise to outshine many of the finest European importations. You will hear of them in the near future, and they will create special interest, as they are American grown. A new variety from Europe, named "*Aigsworth's Gem*" is also said to be a veritable treasure.

HIBISCUS PEACH BLOW, a beautiful double pink sport from a double scarlet, is now being worked up by Messrs. Robert Craig & Son. It is a fine thing, making dwarf, dense, bush-like plants; an excellent bedder, very freely covered with blooms during the entire season.

A really new thing is **CHILDSIA WERCKLEI**, a native of Costa Rica, named at Kew and to be offered this year by Mr. Childs, of New York. This "*Treasure Vine*" is a rapid and early climber, bearing large orange-scarlet flowers closely resembling a *Cosmos*. To me it is a very interesting and beautiful plant.

Almost identical to the above in the form and color of its flowers is the new, early-flowering, **COSMOS KLONDIKE**, a Mexican plant improved upon by Mr. A. W. Smith, of Americus, Ga., for whom it blooms as early as May 15th. If it would only do so here, the florists would have something fine to cut early. The flowers are quite large and a bright orange. The foliage is substantial and the stems long.

It is easy to recognize that only the very best plants remain popular for any length of time. Among those may be classed the *Otaheite Orange*—and, by the way, I am sure that the Japanese Kumquat, if taken in hand by Mr. Harris and others, would prove even more popular, as it bears a greater number of fruits, which, although smaller, are delicious to eat and can be ripened on plants not over a foot high. Others that will remain popular are: *Bougainvillea Sanderiana*, *Carex Japonica*, *Phrynium variegatum*, *Livistonia rotundifolia*, *Abutilon Savitzki*, *Justicia flava* and *volutina* and even *Solanum Wendlandi*—and the grand *Clematis*



No. 30. Cart for Carrying Soil in and out of Greenhouses.

paniculata which, even as a pot plant, sold at \$10 each.

For the garden we have been favored with more good new plants than at any time before. Most of them are of recent introduction and have come to stay. Probably the best of all new garden plants is the

DOUBLE RUDBECKIA GOLDEN GLOW. I have not heard a word against it—and that is indeed wonderful. Its long-stemmed double golden flowers are of great use to the florist.

CARYOPTERIS MASTACANTHUS is perhaps nearly as good and is to be found in almost every garden. I have seen it loaded with lavender-blue flowers until the end of November—hundreds of bees, frozen stiff, nestling on the sprays. Just imagine a large bunch of it displayed on a table, bees and all! This year a white-flowering variety is offered—a much earlier and even more profuse bloomer. Whether it will prove as hardy remains to be seen.

SPIRAEA ANTHONY WATERER has become a favorite; likewise several new deutzias, among which the best seen to this date is the variety *Lemoinei*, which is still more useful for forcing. This, however, though with us only a year or so, will soon have to give place to *Deutzia Lemoinei Compacta*, claimed to be dwarfer and more floriferous. **DEUTZIA CORYMBIFLORA**, lately illustrated, is said to be so completely laden with white flowers as to appear like a huge snow-ball. We might have called it "Snow in Summer," had this name not been already taken.

SAMBUCUS RACEMOSA PLUMOSA AUREIS is a long name for a new golden-leaved elder which far exceeds in beauty any golden-leaved shrub known at present.

ASTILBE CHINENSIS, a rather tall-growing spiraea, is simultaneously of-

fered here and abroad. It has been sent to England for reshipment to Holland in 1,000 lots at low prices; and yet I hear that some firms are bringing it over and paying \$2 per plant for it. Watching the advertising columns would have saved them considerable money.

What promises to be a fine addition to the garden is *Buddleia Variabilis*, a fine, tall-growing shrub with handsome foliage, dark green above and silvery white below, bearing in a graceful manner very long recurving spikes of rosy-lilac flowers. The *buddleias* have not been favorites, but this one is so very highly recommended by Messrs. Vilmorin, that we may give it a prominent place without fear of being disappointed. Besides the above, there are many others, such as, **INCARVILLEA DELAVAVI** and **VARIABLES**, **NEW ARUNCUS**, **NEW ANEMONES**, **NEW CLEMATISES** such as *Marcel Moser* and *Nellie Moser*, and **NEW HARDY ASTERS**.

GRASSES have never been very popular, but there is one which, never seen in gardens until the last two years, invariably elicits words of admiration. Its name, however, **PENNISETUM RUPPELLIANUM**, will prove as killing to it as a severe frost. "Purple Feather Grass" seems more euphonious. Raised from seed it quickly attains large proportions, sending forth hundreds of silky, bending blades terminated by purple feather-like heads 6 to 10 inches long. They are quite new in color and fine for floral work. It makes an elegant pot plant in a very short time from seed and is fine for table decoration even when in a small state.

SWEET PEAS are still the rage. New and important varieties are offered every year; nearly all the best ones being sent out from this city. We will soon have sweet Cupids in all colors,

red, white and blue. Mr. Burpee introduced among others three remarkably fine Sweet Peas which every florist in the land should grow in quantities. **BURPEE'S EARLIEST OF ALL** is the early bird that catches the dollars. It is identical with *Extra Early Blanche Ferry*, except that it is more dwarf in growth and comes into full bloom at least 10 days earlier. **ECKFORD'S SADIE BURPEE** is extremely dainty in shape and of a pearly whiteness beyond description. **BURPEE'S NAVY BLUE** is a distinct color innovation that will create surprise.

Now if you really want good things and new, don't confine yourself to this list by any means, as no doubt hundreds of good ones have been overlooked. Scan the advertising columns of the trade journals carefully. Something new is always to be found therein that will save you money.

OUR PRIZE COMPETITION.

Following are additional entries in our prize competition in labor-saving devices or methods useful to florists:

No. 30. This is a cart I had made to save labor in emptying and filling carnation houses with soil. The wheels I bought at a junk shop. They are belt wheels and are 12 inches in diameter, with 2-inch rims. The platform is a piece of 2-inch plank, 18 inches wide and 36 inches long. The handle is 1½-inch pipe, with a tee on the end. Through the tee I fastened a stick eight inches long. Six inches of the other end is bent under the plank, flattened and fastened to the plank with three bolts.

This cart will turn a very short corner and will travel through a walk only 20 inches wide. It will carry four good-sized boxes of soil, which is one more than a big wheelbarrow will carry, and with much less labor. A boy 15 years of age emptied and filled our six carnation houses in two weeks, in addition to mixing the soil. Last year, without the cart, it took a man and a boy three weeks to do the same work. The weight is all on the wheels and there is none on the arms.

The cart cost me only about \$3.50 to build, and I would not sell it for \$25 if I could not secure another. It paid for itself several times over this fall.

Q.

CARNATION GOV. GRIGGS.

This new light pink carnation is a seedling that originated with Mr. Joseph Towell, Paterson, N. J., and gives promise of being very useful. It is a seedling from Daybreak cross-fertilized with pollen from Van Leeuwen. The color is similar to that of Daybreak, but much brighter, and the blooms have commanded fancy prices in the New York market. It has been grown by Mr. Towell for four years and has proven a vigorous, healthy

grower and continuous free bloomer, the flowers being borne on strong stems, 18 to 20 inches long. There appears to be a very bright future for this variety.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

520-535 Caxton Building, Chicago,

334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/2 page, \$13.50; full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.

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ROCHESTER, N. Y.

Christmas week was fully as good or better than any we have had for years. The steadily increasing demand for well shaped blooming plants helped to swell the cash income and the sales in cut flowers have not decreased to any perceptible extent. Prices obtained were better than formerly, but the plants offered were also of superior quality, compared with those usually seen at Xmas. The supply was not too large either, excepting perhaps in common stuff like begonias, Chinese primulas and solanums; well flowered azaleas, cyclamen and short stocky plants of poinsettias were decidedly scarce in the latter part of the week. Palms, especially kentias of medium size, sold remarkably well, Nephrolepis Bostoniensis and N. davalloides furcans were not much behind them and fern dishes, with pitcairnia or cocos in center had a good run.

Flowers seemed to be overabundant at first, but pretty nearly all found purchasers before Saturday night. Violets of excellent quality were retailed in several stores at as high as \$4 per 100, but poorer grades could be bought for \$1.50 to \$2. Roses were high-priced, notwithstanding the very plentiful supply and carnations took a jump to 65 or 75 cents per dozen for ordinary and some select fancy were disposed of at from \$1 to \$2 per dozen, but the demand for such is rather limited. There was no waste this year, everything was used up profitably in one way or another; a number of funeral orders on Sunday and Monday finished the odds and ends left over from Saturday, therefore our storemen have every reason to be well pleased with this year's holiday trade, though the chronic grumblers, which are found in our town, as well as in most others, may not feel disposed to acknowledge the fact.

John Dobbartin was a victim to the

palm swindler at the beginning of the busy Xmas week; his son delivered a load of palms, ordered by some unknown individual for Mrs. Smith, on Prince St., the man riding with young Dobbartin on the wagon to the house; after unloading the plants on the back porch, D. was told to call for them at 9 o'clock next morning and to bring the bill along with him, but neither palms nor man were found in the house the next day when D. presented his bill; Mrs. S. had merely been asked by the stranger to permit the unloading of a few large palms, which he expected to receive from Buffalo, and which he said he had to distribute in the neighborhood. Three or four of the plants have been found by detectives employed, but nobody knows what became of the rest. K.

CHICAGO.

The Market.

Business was good all last week up to Saturday, when sales dropped off to a marked degree. Roses have held their own very well, but on Friday and Saturday there was quite a heavy surplus of violets and carnations, and they are still very abundant. Prices are much lower all along the line and violets and carnations seem to have been hit the hardest.

While trade for the week was very satisfactory no one seemed to consider New Year's as a special factor in the conditions. The local dailies had in their society columns given lists of ladies who would receive New Year's callers as in the olden times, but the retail florists did not feel the effect of it if the plans were carried out. They have had a steady run of work though for dinners and small parties and business has with most of them averaged excellent.

The future outlook seems very bright. Shipping trade holds up well and it is notable that the call is nearly always for the highest grades of stock.

Various Items.

A dinner decoration arranged this week by Mr. John Gormley, of Wienhoeber's, was for 24 covers and toward each end of the table was a 12-inch plateau of adiantum ferns (plants from 3-inch pots) arranged in a graceful mound, while placed along the table were small vases of the new pink carnation Mrs. James Dean. In the center was a candelabrum with shades of a color to match the carnations.

Kennicott Bros. Co. are interesting themselves in the Evanston carnation merely to help a good thing along. The cuttings are being grown by M. Weiland and John Weiland (son of the preceding), both of Evanston, and John Didier (son-in-law of M. Weiland) of Rogers Park.

Mr. A. G. Boehringer, of Boehringer Bros., Bay City, Mich., was a visitor this week.

Bassett & Washburn find that their

business during last week was just about 50 percent larger than for the same period last year. They are now cutting a good crop of Harrisii lilies.

Reinberg Bros. are now ready with their annual batch of rooted cuttings of roses and carnations.

C. A. Samuelson had such a heavy run for Christmas that he had to close the doors and draw down the curtains to give his force a chance to fill orders already in hand.

The first January meeting of the Florists' Club will be held tomorrow evening (6th inst.).

Vaughan, McKellar & Winterson are also handling rooted cuttings of the new carnation Evanston.

Bowling.

Following are the scores and averages made at the alleys last Friday evening:

	1st.	2nd.	3d.	4th.	5th.	Av.
Ed. Winterson	122	172	153	172	175	153
G. L. Grant	177	130	...	...	...	153
J. Degnan	144	126	141	123	131	133
C. Schweigert	137	137	105	111	138	125
A. Henderson	114	127	123	...	...	121
Ed. Benthey	86	117	106	138	...	111
C. S. Stewart	91	90	...	...	...	90
M. Barker	61	...	...	...	...	61

BOSTON.

Review of the Market.

A reaction with a week of extremely dull business is the usual thing after a rush at the holidays, but this year has been an exception, and the trade all around has been very good, but with somewhat lower prices, and during the early part of the week the supply was very light, owing to the clean cut of everything of a salable nature for the holidays.

The quality of roses is now at its best, and Brides and Maids are held firm at \$8 per 100, with strictly high grades a trifle higher; Meteors, \$8; Beauties considerably slower, prices from \$1.50 to \$8 per dozen; carnations of average quality, \$2.50 per 100; Day-breaks and Eldorado, \$3; fancies, \$4, and Bradts, \$10 per 100; violets, from \$1 to \$1.50 per 100; Romans and Paper Whites, 35 cents per dozen; lilies, both Harrisii and callas, \$1.50 per dozen; valley from \$4 to \$6; stevia, 25 cents per bunch.

News Items.

Freeman & Fletcher is the name of a new firm to start out as commercial florists, located at Auburndale, succeeding to the houses and business of F. W. Fletcher. They propose to erect four new houses, making a specialty of violets.

Mr. Thomas F. Galvin, with his family, is spending a few days at Philadelphia.

W. H. Elliott made a flying trip to New York on business connected with his new houses.

I. H. Carr has given up the store on Tremont street, and will soon venture again in a cheaper locality.

The new Imperial violet, originating with W. L. Minor, of Brockton, is all

that can be desired in a violet. Wax Bros. control the output of the bloom. P.

ST. LOUIS.

The Market.

New Year's business called for no extra demand and as this holiday has ceased to be a factor in the cut flower market not much was expected. On New Year's morning the lowest point touched being zero and the hard cutting for Christmas kept stock scarce and the market firm. Transient business the past week was very quiet, but a great deal of funeral work was reported as a number of prominent people died during the week. This made white stuff in great demand, callas and Harrisii having the call.

The rose market has been short all the past week. Perles have been selling for \$5 to \$6, Maids and Brides \$10 and \$12, Meteors \$10 to \$18, but very scarce; \$18 was for extra prime stock.

Beauties, extra long, \$75 and \$100, shorts, \$25 and \$50; Woottons and La France brought \$8 and \$10 for the best.

Carnations are in good demand. Receipts are light with not enough to go around; average price is \$4 with \$5 and \$6 for fancy stock.

Bulb stuff is selling better this season. Romans and narcissus being \$3 and \$4, Harrisii \$12.50 to \$18, callas \$10, valley very good, but none too plenty at \$5.

California violets have been a glut and are down to \$1, small single 35 cents with double 75 cents. Asparagus and adiantum sold well. Smilax too was in big demand and none too plenty.

Notes.

Mr. Archie Spencer, with Reinberg Bros., Chicago, spent a day with us last week. Archie says the holiday trade with them was great.

Julius Koenig, Sr., was reported very sick last week but was somewhat better at last reports.

J. M. Jordan is about the same as last reported with very little prospect of improvement.

Carl Beyer was also reported sick with the grip, but not dangerously ill.

The members of the Florist club should not fail to attend the next meeting of the club, which takes place on the afternoon of January 12 at 3 p. m. The committee will report on entertainment, and John Young will read his essay. This alone should bring out a full attendance.

Bowling.

I herewith present to the readers of The Review the averages of the champions for the past year. The club rolled 144 games, of which J. J. Beneke won the champion medal five times and the lucky medal four times; C. A. Kuehn the champion medal twice, lucky medal once; J. W. Kunz champion medal and lucky medal once; Duncan Finlayson champion medal

twice, lucky medal once and Emil Schray the lucky medal three times.

Mr. Duncan Finlayson, our new member is a great bowler, has been a member only two months and won the champion medal both times. Mr. Finlayson will cut quite a figure at Detroit this summer and if he keeps up his present gait the cup will be ours for keeps.

Your correspondent has offered a prize for the best average bowler during the months of January and February. The winner must take part in no less than 20 games. The prize is the first 52 copies of The Review elegantly bound with morocco cover with the name of the winner in gold on front cover.

Following are the averages of all the members of the year for 1898:

No.	Names.	No. Games.	Total.	Average.	Single Score.
1.	J. J. Beneke.....	144	23,109	160	246
2.	Carl Beyer	44	6,916	157	266
3.	John Young	58	9,037	155	234
4.	E. Schray	112	17,348	154	268
5.	J. W. Kunz.....	94	14,655	154	220
6.	C. A. Kuehn.....	144	22,498	154	228
7.	D. Finlayson	37	5,660	153	200
8.	R. Beyer	4	612	153	186
9.	H. Helwig	41	5,975	145	216
10.	F. C. Weber.....	55	7,910	143	179
11.	C. C. Sanders.....	93	12,988	139	222
12.	R. F. Tesson.....	23	2,899	126	191
13.	F. J. Fillmore.....	132	15,728	110	209

The Bowling Club had its first rolling this year last night and seven members rolled. Mr. Carl Beyer, who was reported sick last week, was on hand and was in great form, making an average of 195 in four games, Carl says he's out for that Review prize. Following are the averages of the games rolled:

	1	2	3	4	5	Tot.	Av.
Carl Beyer	150	226	204	200	...	780	195
C. A. Kuehn.....	164	133	127	147	171	742	148
J. J. Beneke.....	142	157	140	165	127	731	146
D. Finlayson	122	163	174	123	133	715	143
C. C. Sanders.....	137	140	158	136	...	571	143
Emil Schray	112	149	130	152	136	679	136
F. J. Fillmore.....	105	95	106	102	139	547	109

J. J. B.

PITTSBURG.

Christmas was the day upon which castles were built up by all the florists; by the florist who now and then during the past years had suffered adversities and who had a strong belief that he should make up for these adversities on Christmas; by the prosperous florist who hoped to add more money to his already big pile; by the always hustling Diamond market and Allegheny market people; but above all by the florist in the new East End market; they waited for this day with anxiety; the time they had been out this market was a time in which fortune didn't favor them, the market is too new to be well known, the public has to learn their way there, too, and the enterprising man who had energy enough to commence business there has to go through all the troubles which a new enterprise brings with it.

The preparations made by the two wholesale houses here to meet all the wishes of their customers were really painstaking, and I am pleased to state that they accomplished what they promised. The florists here in Pitts-

burgh who were, in the beginning not convinced that a wholesale house was needed and was one of the necessities for the florist trade in a town as large as Pittsburgh, congratulated themselves that the opportunity was opened for them to call on these firms for the flowers they needed during the holidays. Their orders were punctually filled and both houses deserve the thanks of the florists in this city and in near-by towns.

The Pittsburgh Cut Flower Co. was provided with lots of fine stuff, the flowers of Mr. Fred Burki, their president, taking the first place amongst those of their other consignors. I called on the youngest wholesale firm here, William F. Kasting & Co.; it seems that Kasting possesses the knowledge to infuse a great deal of his energy and business ability into his employees. His manager showed me a collection of Meteors, Beauties, Maids, Brides, and carnations which were worth looking at. Speaking to one of the most prominent florists here, he assured me that Kasting had done more than he had promised to do, that he believed that they have won the sympathy of all, and that there is no doubt the good services they gave will be very much appreciated.

All were busy, trade was excellent, and the supply was good, except of carnations. Good window decorations were scarce. The best windows in the city were those of Britenstine & Flemm and A. W. Smith; the first had a variety of all seasonable flowers of the best grade, artistically arranged in vases. The latter had his window and store decorated with the finest specimens of poinsettias I have seen for a long time. They were arranged with skill and art; his idea was certainly good and the effect was charming. Jim claimed that it was just as nice as in New York.

Neff, our hustling florist of Sixth street, showed in one of his windows that he was the man who had flowers enough for sale; in the other window he proved that he was able to make up the most beautiful designs in immortelles, Cape flowers and dried grasses.

Murdoch didn't think it necessary, or had no time to spare to decorate his store; it seems that he was sure the public knew that they could have whatever they wanted in his store; that he knows how to decorate was shown a short time ago when he made up one of the finest decorations in Braddock.

Elliott & Ulam showed some nice Bougainvillea, a plant which lends itself very readily to effective decoration.

I have to apologize that I didn't put Mrs. E. Williams the first in the rank. In the first place, because she belongs to the fairer sex, and last but not least, because she has the right to be ranked amongst the most prominent florists of the city. This Christmas she showed once more that woman as well as man can have the required push in them to do good business. She put up the

enormous decoration in Kaufmann's Big Store, and did it so that everyone had to praise it. She reports a splendid business for Christmas. The Southsiders can feel proud they have such a clever woman in their ward.

In the Diamond market our Billy Kroeck proved again that he was the man who knew how to do business. His stall was provided with the best flowers to be had, and he had to employ several hands to assist him to wait on his customers. He said that he never had a better Christmas in his life, and that he never had such a bad cold as he has now. Siebert, Lauch, Eichhorn, Blaha & Foss, showed that they had done their utmost to give customers the best to be had for the money. In the Allegheny market Gus Ludwig was as always the point of attraction; his magnificent stand showed up above all a profusion of flowers of every kind and they were so arranged that they charmed the eye of every one who passed. E. C. Ludwig and Breitenbaugh Bros. had their stalls nicely decorated and attracted the eye of the crowd.

I had no time to pay a visit to Liberty market, but I heard that all the florists there did fairly good business. Hoffmeyer, Dunlevy, Theo. F. Beckert, were the home growers who brought the best flowers into the market. I had the privilege to see some of the Brides and Maids which were grown by Mr. Hoffmeyer and they could be classed amongst those grown by the best growers in the East. Beckert sent in some good chrysanthemums and a few poinsettias. He had lots of trouble with his fuel the past month. For five years he has used gas for fuel, but without a previous warning the company that bought the gas wells around his greenhouses made such conditions that he had to substitute coal and it was some time before the boilers could be changed to suit the new fuel. For this reason his cut was not as large as expected, which is to be regretted, for he must be classed among those who produce the best stock.

Violets were scarce in the beginning of the week. The growers followed again the strange policy of keeping them as long as they possibly could, so that they came too late into the market to take advantage of the very high price paid for them during the first day.

Prices were high. American Beauties were sold at from \$4 to \$18 per dozen; Brides and Maids from \$8 to \$20 per hundred; Meteors from \$10 to \$20 a hundred; Perles were not in demand, but sold because they only commanded \$6 to \$10. Carnations were scarce and were sold for \$4 to \$5 per hundred; Harrisii lilies, \$3 per dozen; Romans, narcissus and valley, \$4 to \$5 per hundred. Mums, of which there were few in the market, were not in demand and didn't bring the price growers expected.

It is possible that I have overlooked speaking of some florists who deserve to be mentioned in this report. I hope

Cypress Greenhouse Material.

We are the pioneers in Clear Cypress Greenhouse Material. We discovered that Cypress is better than any other wood for greenhouses from top of posts up and we introduced it, and fought for it against many prejudices, and finally succeeded in bringing it into general use.

Others have attempted to follow where we lead, others are trying to reap what we sowed, but we have the experience and are recognized as experts in greenhouse construction.

Write for Circulars
or Estimates.

Lockland Lumber Co.

LOCKLAND, OHIO.

that they will pardon me if I have, and will believe that they were not intentionally omitted. MARY.

SOCIETY OF AMERICAN FLORISTS.

Plant Registration.

John Cook, Baltimore, Md., registers seedling rose, "Baltimore," a cross between Rivoir and Mary Fitzwilliam. A very large, fragrant flower, color Day-break pink, deepening towards center; stem and foliage very large and strong, as shown in blooms submitted.

Alex. MacLellan, Newport, R. I., registers new chrysanthemum "Regina," a seedling from Silver Cloud and L'Enfant de Deux Mondes. Color creamy white; bloom of the Frank Hardy type, a variety which it much resembles, but with no tendency to crook-neck. Won Newport Horticultural Society's silver medal as best seedling of 1898. WM. J. STEWART, Sec'y.

MIDDLETOWN, CONN.

Christmas week was ushered in with rain, slush and fog, which continued till Saturday. Then people began to get out and business opened up with a rush. It was quite up to expectations, but a slight falling off from previous years.

Palms and ferns sold well; also flowering plants. Carnations were scarce, there being not half enough to supply the demand; they sold at 50 cents a dozen. Roses were too high in price for most people, but sold well at \$2 to \$3 a dozen. Romans sold for 60 cents and violets for 35 cents.

Holly and wreaths sold well and there were never before so many Christmas trees sold, the supply being very large. A number of funeral orders Christmas week helped to use up flowers and made them still scarcer for Christmas.

Mr. James Roberts, the carnation grower, has been very ill with typhoid fever, but is slowly recovering.

H. C. Beebe had a fine lot of spruce from Maine for Christmas trees, and they sold well at good prices in preference to hemlocks and cedars. S. P.

HAGERSTOWN, MD.

The Christmas trade was first class here. The Maxim-Hamilton wedding took place just before Christmas and the decorations were the most elaborate and beautiful ever seen here. Wm. Bester was equal to the task and still supplied a large demand for Christmas. He noted a greater call for roses and carnations and some increase for potted plants.

Henry Bester found it difficult to supply the demand for potted plants, of which he sold treble the number of former years.

The florists generally found trade larger than in former years. S.

INDIANA FLORISTS.

The thirteenth annual meeting of the State Florists' Association of Indiana will be held in the Horticultural Rooms of the State House at Indianapolis on Monday, January 9, at 2 p. m.

DETROIT, MICH.—Jno. A. Severns, for many years connected with the D. M. Ferry Seed Co., committed suicide Dec. 22. Mr. Severns had been in poor health for some time. He was 40 years of age.

MADISON, WIS.—Christmas trade was very satisfactory. Sold all the azaleas and cyclamens we had in bloom and could have sold as many more if we had had them. Palms and ferns also sold well and at good prices. There were large sales of holly and holly wreaths, but prices were low, as all the grocery stores now handle this line of goods, and some sell on commission at almost any price. Cut flower trade was fair in spite of the high prices.

DUBUQUE, IOWA.

Holiday trade was 30 per cent. better than in any previous year, although the extra demand was at Christmas. New Year's has been losing ground here for some time. Plants sold better than usual. Red roses were short, other colors in good supply. Carnations plentiful, except yellow. Weather very favorable for delivering at Christmas. W. A. H.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

WANTED—A well experienced young lady for large florist establishment, must speak the German language. Apply to H. & R. Hilmer, 3907 Cottage Grove Ave., Chicago.

SITUATION WANTED—By a middle aged man, single, sober and industrious; as an assistant in greenhouse work; have had ten years' experience in propagating roses, carnations and pot plants. Private or commercial place. Address P. O. Box 81, Oak Park, Illinois.

SITUATION WANTED—By an experienced rose grower, age 30, single; \$30 per month, with board. Address G., care of Florists' Review.

WANTED—Assistant with reference, in roses and carnations. Send copy of reference. Wages \$9.00 a week to start. J. A. Peterson, 105 E. Fourth Street, Cincinnati, Ohio.

NOTICE—As I am about closing up my down town store, would be pleased to recommend the young man who has had charge to any one in need of a good man. He is thoroughly competent in all branches of floral art. His experience has been with first class florists in New York and Pittsburgh. Address E. J. Paddock, 1317 Euclid Avenue, Cleveland, O.

FOR SALE—Modern style florists' ice box. Address J. J. McManmon, 6 Prescott St., Lowell, Mass.

SITUATION WANTED—By practical florist and rose grower; experienced; good all round; references; single. Disengaged end January. Address "Ferns," care Florists' Review.

SITUATION WANTED—German, single, at present with carnation grower, wishes position with violet or rose grower, or with retail florist, for learning purposes. Wages no object. Address A. L., P. O. Box 466 West Troy, N. Y.

WANTED—Young man as assistant in store and greenhouses. Address H. F. Halle 548 West Madison Street, Chicago.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

FOR RENT OR SALE—First class retail stand, 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

Do You Want to Sell

your Greenhouses or Store? If so, H. WELFARE, Corunna, Mich., wants to hear from you.

WANTED.

Two or three men used to propagating roses and carnations.

BASSETT & WASHBURN,
Hinsdale, Ill.

FOR SALE.

A greenhouse property that has netted clear of all expenses twenty-five per cent on price asked, and can be made to double that. No opposition and only 20 miles from one of the best cut flower markets in the United States. Don't miss this opportunity, and send for description.

Address "A. B." care Florists' Review.



51 Wabash Ave. CHICAGO.

W. S. HEFFRON, Mgr.

Price List taking effect Thursday, Jan. 5.

ROSES.

Am. Beauties, long, per doz.....	\$5.00—\$8.00
" medium, per doz.....	2.00—4.00
" short, "	1.00—1.50
Meteors, Maids, Brides and Kaiserin,	
per 100,	6.00—8.00
Perles.....	3.00—5.00
Roses, seconds, average.....	4.00—

CARNATIONS

Are Our Specialty.

Fancy varieties, fancily grown.....	per 100, \$3.00
Ordinary varieties, fancily grown ...	" 2.00
Ordinary varieties, average stock....	" 1.50

Miscellaneous.

Alyssum.....	per 100, \$.50
Marguerites.....	" 1.00—
Callas.....	per doz., 1.50—
Harrisii.....	" 2.00—
Romans.....	per 100, 2.00—3.00
Narcissus.....	" 3.00—
Valley.....	" 4.00—5.00
Violets.....	" 1.00—1.50

Decorative.

ASPARAGUS.

Per string.....	\$.50
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FERNS.

Per 100, 20c.....	per 1,000, \$1.50
Original cases, 4,000 to 6,000.....	" 1.25
Maiden Hair.....	per 100, \$1.00—

CALAX.

Bronze and Green, per 100, 15c.....	per 1,000, \$1.00
Original cases, 10,000.....	" .75

SMILAX.

Common, very fine.....	per doz., \$1.50
Wild, Parlor Brand case.....	8.75
" Medium case.....	5.50
" Large case.....	8.00

All other flowers in season at lowest market rates.

Above quotations are subject to change without notice. P. and D. at cost.

Extra select and inferior qualities charged for according to value.

Store open from 7:00 A. M., until 6:30 P. M. Sundays and Holidays closed at noon. Mention The Review when you write.

X-X SEEDS! X-X

MAMMOTH VERBENA. The finest grown. Pkt. 500 seeds, 50c. Mixed colors.
CYCLAMEN GIGANTEUM. The choicest of Giants. Pkt. 200 seeds, \$1.00; ½-pkt., 50c.
CHINESE PRIMROSE. Finest single and double, mixed, 400 seeds, \$1.00.

Seeds of Choice Novelties added to every order.

JOHN F. RUPP, Shiremanstown, Pa.
Mention The Review when you write.

CARNATIONS.

H. WEBER & SONS, - OAKLAND, MD.
Mention The Review when you write.

E. H. HUNT

THE "OLD RELIABLE" FOR

WHOLESALE....

Hunt's
Flowers
Go
Everywhere.

Cut
Flowers

76 Wabash Ave. CHICAGO.

Pandanus Veitchii.

I aim to give you the best always.
For sizes and prices see "Review"
of December 15th and 22d.

John Welsh Young, - Germantown, Pa.
UPSAL STATION PENNA R. R.

Mention The Review when you write.

H. W. BUCKBEE
Seed Specialist,

Rockford Seed Farms.

Forest City Greenhouses.

Lock Box 911. ROCKFORD, ILL.

Special Prices Upon Application.

Mention The Review when you write.

Chrysanthemum Stock Plants.

FIFTY-THREE
COMMERCIAL VARIETIES.

Send for price list.

American Rose Co., Washington, D. C.
Mention Florists' Review when you write.

Seasonable Seeds, etc.

Clematis Paniculata, 75c per ounce. Ampelopsis Veitchii, Wistaria Magnifica (Blue), Hibiscus Crimson Eye, best named Dwarf Cannas, each 25c per ounce. 25,000 best French Bedding Cannas Roots, \$2.00 per 100. Double New Life Geranium, 2½-inch, 75c per doz. Weeping Lantana, 2½-in., 50c per doz. BENJ. CONNELL.

Florist.

West Grove, Pa.

Mention The Review when you write.

THE HARRISII DISEASE can be prevented by immersing the bulbs for 5 hours in a half solution of

Kraft's Plant Tonic

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills Hard Shelled Scale, Mealy Bug, and other insect pests without injury to the plant. Send for circular.

KRAFT PLANT TONIC CO. Rockford, Ill.
Mention The Review when you write.

ROOTED CUTTINGS,

VERBENAS,

PETUNIAS, and

other stock. Fine stock. Express prepaid.

S. W. PIKE, ST. CHARLES, ILL.

Mention Florists' Review when you write.

TELEGRAPH CODE.

In telegraphing orders to any of the wholesale dealers in cut flowers use the following code:

Assume—Do not answer if cannot fill order.
Abrogate—In case you cannot fill order, telegraph at once.
Anticipate—Answer at once, stating whether you can or cannot fill order.
Ambition—If you can only partially fill order, do so, and reply, stating what.
Admiral—Order must be sent on train mentioned only.
Ambulance—Want all of order filled or none, and prompt answer back.
Adjacent—If cannot send on train mentioned, next one will do.
Affable—Send prepaid by baggage master, if no express messenger on train.
Decorate—If cannot send all on train mentioned, send all you can, and send balance on next train.
Admission—This order is a substitute for my regular order.
Dancing—If cannot fill order exactly as specified, you may substitute according to your best judgment.
Ancestor—This order is an addition to my regular order.
Durable—Colored flowers must not be substituted for white.
Affection—Fill if possible, even at extra expense.
Fabricate—Flowers ordered are to be re-shipped to a distance, therefore buds must be cut specially close.
Fortunate—Select extra stock and charge accordingly.
Devotion—For cheap work, and can use second-class flowers, if at reduced price.
Flattery—If price has advanced since last quotation, do not send goods, but telegraph.
Forgery—This order countermands all previous orders.
Formation—Add these items to the order which you already have, but in case first order is already shipped, cancel this addition.
Flamingo—We are in a bad pinch; send us something to help us out, even if of poor quality.
Flocking—Have sent mail order; if not yet received, send following at once, and cancel mail order when received.
Foraging—This order includes all items previously ordered and wanted for this date.
Superior—Can use something especially fine, and am willing to pay accordingly.
Skip—If you are out, buy the best you can; we accept risk of getting "pickled" stock.
Corporal—If cannot send on night train, morning train will do.

**THE CODE BELOW WILL BE USED
IN ANSWERING YOU, WHEN
NECESSARY.**

Elope—Cannot fill your order to-day. Stock is scarce. Have tried to buy at other houses for you.
Lecture—Our store was closed yesterday when your telegram came. Received it this morning. Will ship by first train to-day, unless countermanded at once.
Willing—Cannot ship on train mentioned. Will send on next train possible to-day.
Eclipse—Will send part of your order. Balance scarce. Cannot get it at any price to-day.
Artistic—Cannot fill order to-day, if you want order filled (same order) to-morrow, wire us at once.
Favorite—Stock very poor, none better to be had. Will ship unless countermanded by..... o'clock.
Fundament—Stock named in this telegram has been sent, and balance, unless countermanded by telegram, will be sent on.....

ELMIRA, N. Y.—It was an "old time" Christmas. Everything in the shape of blooming plants and cut flowers was sold.

UTICA, N. Y.—Fire did about \$1,300 damage to the greenhouses and stock of E. W. & W. T. Milgate the night of December 19. The houses were insured but the stock was not.

TOLEDO, O.—The new plans for greenhouses at Walbridge Park provide for a triple house 60x100, propagated house 20x62 and a palm house 30x62. Bids will be received until January 6.

REINBERG BROS.

Wholesale Growers of
Cut Flowers

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.
51 Wabash Ave., CHICAGO

Mention The Review when you write.

Bassett & Washburn
88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of
and Dealers in **CUT FLOWERS**

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.

Lynch
WHOLESALE FLORIST.
19-21
E. RANDOLPH ST.
CHICAGO

Our prices are as low as any
and our stock superior.
We ask for a trial order.

Mention The Review when you write.

A. L. RANDALL
Telephone 1496
Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better prepared than ever to handle your orders.
Mention The Review when you write.

Full Line of Wire Designs and Florists' Supplies

S. B. WINTER

Write for Illustrated Catalogue.

21 Randolph St.
CHICAGO.

HIGH GRADE Cut Flowers

Properly Packed and Promptly Forwarded.

Mention The Review when you write.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.

Mention The Review when you write.

800,000
FEET
OF
GLASS.

Wholesale Price List.

AMERICAN BEAUTY

Extra long stem .. per doz.	\$6.00
24-inch stem	4.00 to \$5.00
20 "	3.00
15 "	2.00
12 "	1.50
8 "	1.00

METEOR per 100, 6.00 to \$8.00

BRIDESMAID " 6.00 to 8.00

BRIDE " 6.00 to 8.00

PERLE " 5.00 to 6.00

CARNATIONS " 3.00

fancy " 4.00

Quotations subject to change without notice.
All other stock at lowest market prices.
No charge for packing.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.

Mention Florists' Review when you write.



**ST. LOUIS
Cut Flower Co.**
Wholesale Florists,
1322 Pine St.,
ST. LOUIS, MO.

Mention The Review when you write.

ELLISON & TESSON,
WHOLESALE SHIPPING
FLORISTS

3134 Olive Street, ST. LOUIS, MO.

...Home Grown Stock...

Mention The Review when you write.

C. W. WORS,
2740 Olive Street, - - ST. LOUIS, MO.
Flowers at Wholesale

ROSES, and a full line.

Headquarters for the Southwest.

F. F. BENTHEY, MANAGER.

BENTHEY & CO.,
Wholesale and Commission
FLORISTS,

41 Randolph Street, CHICAGO.

Consignments solicited.

Mention Florists' Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES,

88 Wabash Avenue, ^{Rooms 22 and 23.} Long Distance Telephone ^{Express 488.} CHICAGO, ILL.

CHOICE FLOWERS AT LOWEST MARKET RATES.

New Carnation Evanston.

A Scarlet
Tidal Wave.

We offer Rooted Cuttings of this fine **NEW SCARLET CARNATION**, which is, in our opinion, the best scarlet carnation in existence. After a three years' trial it stands at the head as a money-making commercial sort, the blooms of extra quality and produced with great freedom throughout the whole season. The color is a clear, brilliant scarlet, the growth strong, clean and robust. No scarlet carnation will give more satisfaction or better returns than **EVANSTON**.

Rooted Cuttings, \$7.00 per 100, \$60.00 per 1,000. 500 at the thousand rate. Orders booked now.

Mention Florists' Review when you write.

HOLTON & HUNKEL Co.

Wholesale Florists
And Florists' Supplies.

Phone 874. WIRE DESIGNS—OUR OWN MAKE

457 Milwaukee St.

P. O. Box, 103. Milwaukee, Wis.

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Cincinnati Cut Flower Co.

W. A. MANN.
FRANK W. BALL.

416 Walnut St. Wholesale Florists
CINCINNATI, O.

Consignments Solicited.
Special Attention Given to Shipping Orders.

Mention Florists' Review when you write.



WHOLESALE FLORIST,
11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.
Mention The Review when you write.

Maplewood Cut Flower and Plant Co.

GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses: Pleasant Hill, Mo.

Mention The Review when you write.

For Sale! Cut Flowers.

Narcissus P. W. G.,

Choice, \$1.50 per hundred.
Cash with order.

MISSSES WILSON,

Mildred St., MONTGOMERY, ALA.

Mention Florists' Review when you write.

Palms and Ferns...

WE HAVE A LARGE STOCK IN FINE CONDITION.
We guarantee safe arrival if shipped by Express.

CORRESPONDENCE SOLICITED.

Ellis & Pollworth, - Milwaukee, Wis.

Mention The Review when you write.

ORCHIDS....

CATTLEYA FLOWERS of finest quality always on hand. Orders from unknown parties must be accompanied by cash. Orders taken now for **Cattleya Labiata Plants**, spring delivery.

Lager & Hurrell, Growers and Importers.... Summit, N. J.

Mention Florists' Review when you write.

PANSIES WORTH RAISING

Good Small Plants from cold frames or greenhouse only, at \$4.00 per 1000. All others not accessible at present. Cash with order. SEED as usual.

C. SOLTAU & CO., 199 Grant Ave., Jersey City, N. J.

Mention The Review when you write.

Palms, Ferns and House Plants: AND HOW TO TREAT THEM.

A New 16-page Envelope Size Catalogue to be given to customers.

It will gain business for you. **SAMPLE FREE.**

Dan'l B. Long, Publisher, Buffalo.

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Mention The Florists' Review when writing advertisers.

ANTON SCHULTHEIS, P. O. Box 78...
College Point, Queens Borough, N. Y.
HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity

Come, see Ericas (Heather), also Full Line of Other Flowering Plants and convince yourself. Price List on Application.

Mention Florists' Review when you write.

NEPHROLEPIS Fine, Strong, 3½ inch plants, \$7.50 per 100.
CORDATA 4-inch plants, \$15.00 per 100.
COMPACTA. Cash with order.

H. HILMERS,
Box 650. BLUE ISLAND, ILL.

Mention The Review when you write.

GERANIUMS

Grand bedders. Acteon, Bruantii, Heteranthe, La France, L. Kelway, Theocrite, Cts. de Castries and a host of other double and single. Rooted Cuttings, \$1.40 per 100; \$10.00 per 1000. Replanted extra strong, \$13.50 per 1000. **COLEUS.** Red Verschf. and G. Bedder, by mail, 75c per 100. 25 Select Fancy, 65c per 100. Full list of stock ready. Cash with order.

DANIEL K. HERR, - - Lancaster, Pa.

Mention The Review when you write.

Always mention the Florists' Review when writing advertisers.

ST. PAUL, MINN.

Christmas Trade.

Good stock, favorable weather and "better times" than for several years combined to make Christmas trade excellent, surpassing all previous records.

The favorable weather for the previous three weeks brought out an abundance of good blooms and better stock was never handled by the stores. Good prices prevailed. Roses retailed at \$2.50 to \$3.00 per dozen, a few going as low as \$2.00; carnations at 75 cents to \$1.25, the bulk selling at \$1.00; violets at \$3.00 to \$4.00 per hundred; Romans, Paper Whites and valley at 75c to \$1.00 per dozen.

The greatest demand was for red, followed by pink, both in roses and carnations, though white stock met with ready sale. Of Am. Beauties the best sold at \$18 per dozen, this being the top notch price for Beauties within the writer's recollection.

Easter lilies were very scarce, few blooms being seen and but few asked for. Only a few blooming plants were seen, but they sold readily. Good azaleas brought top notch prices. Primroses, cinerarias and cyclamen sold fairly well, and palms, ferns and other decorative plants were in good demand.

Holly, mistletoe and green wreathing were in great demand and more of these greens were used in decorating stores than ever before. Shipping trade was excellent, exceeding all previous records.

While the thermometer nearly touched zero on Saturday night, there was but little damage from frost in delivering. While prices ruled about the same as in previous years, there was but little grumbling by buyers on account of prices. A few belated mums of good, bad and indifferent quality were seen and sold fairly well.

L. L. May & Co. had the finest cut of carnations ever seen in the city. R. C. Seeger brought in some very fine Bride and Bridesmaid, as good as were ever cut here. Christian Hansen had an enormous crop of violets, shipping quite a good many to Chicago.

A. S. Swanson had his usual supply of good stock and from the busy appearance at his store must have enjoyed an excellent trade.

John May, who recently opened a store, reports a very gratifying trade.

Otto Hiersekorn, who recently opened a branch store, is well pleased with his venture as well as with his Christmas trade at both stores. X. Y. Z.

A COPY of the proceedings of the twenty-second annual meeting of the Georgia State Horticultural Society, held in Americus, Ga., August 3d and 4th last, has reached us. The many able essays and interesting discussions indicate that the Georgia society is very much alive. Mr. P. J. Berckmans, of Augusta, is president, and Mr. G. H. Miller, of Rome, is secretary.



REGULAR SHIPPING ORDERS RECEIVE
SPECIAL ATTENTION.

W. T. BROS.

51 Wabash Avenue, Chicago.

WHOLESALE GROWERS OF Cut Flowers

We Are Headquarters for...

AMERICAN BEAUTIES,

of which we cut from 2,000 to 3,000 daily. Our **Brides, Meteors, Maids and Perles** were never better.

OF CARNATIONS


we grow 50,000 plants of all the leading varieties, and they cannot be surpassed.

Wholesale Price List.

Am. Beauty, extra long stem, per doz.	\$6.00
24-in. stem	4.00-5.00
20-in. "	3.00
15-in. "	2.00
12-in. "	1.50
8-in. "	1.00
Meteor	per 100, \$6.00 to 8.00
Bridesmaid	6.00 to 8.00
Bride	6.00 to 8.00
Perle	5.00 to 8.00
Carnations	8.00
fancy	4.00

All other stock at lowest market prices.
No charge for packing.

Mention The Review when you write.



New
Free-Flowering
Dwarf
Chrysanthemum

**"Little
Chris"**

Plants from 3-in. pots,
35 cts. each, 3 for \$1.00;
4-in., 50 cts. each, \$5.00
a dozen.

**W. T. Bell &
Sons,
Franklin, Pa.**

FREE FLOWERING
CHRYSANTHEMUM
LITTLE CHRIS.

Mention Florists' Review when you write.

100,000 VERBENAS, THE CHOICEST VARIETIES IN CULTIVATION....

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

{ No Rust or Mildew.
Packed Light and
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention The Review when you write.

MACOMB, ILL.

The greenhouses and gardens in this city formerly controlled by E. H. Smith & Co., changed hands Jan. 1. R. F. Thornton, recently with E. R. Gesler, of Galesburg, is manager, and the place will be known in future as The Cottage Gardens.

**Buy from the
Advertisers in the...
Florists' Review**

(always mentioning the paper) and thus increase the earning power of your Certificate.

Always mention the **Florists' Review** when writing advertisers.

Vaughan, McKellar & Winterson

NEW CARNATION EVANSTON.

We are offering Rooted Cuttings of this Grand New Scarlet Carnation, the merits of which can not be doubted, as it is receiving the hearty endorsement from both the Growers and Wholesalers. We have handled the cut of Mr. J. Weiland for past two years, of this as well as other varieties, and have found it always a ready seller and one that was appreciated by buyers in preference to any other scarlet on the market.

CUT FLOWERS.

ROSES.

Am. Beauties, select....per doz.	\$4.00 to \$6.00
Am. Beauties, medium..	2.00 to 3.00
Am. Beauties, short....	1.00 to 2.00
Brides, Maids, Meteor...per 100,	3.00 to 7.00
Kaiserin, La France....	3.00 to 7.00
Perle	3.00 to 5.00
Roses, our selection....	3.00 to 4.00

CARNATIONS.

Fancy Stock.....per 100,	\$2.00 to \$3.00
Ordinary Stock.....	1.00 to 1.50

MISCELLANEOUS STOCK.

Violets.....per 100,	.75 to 1.00
Valley.....	4.00 to 5.00
Narcissus.....	3.00 to 4.00
Romans.....	2.00 to 4.00
Callas.....	15.00 to 20.00
Harrisii.....	15.00 to 20.00
Bouvardia.....	1.00 to 2.00

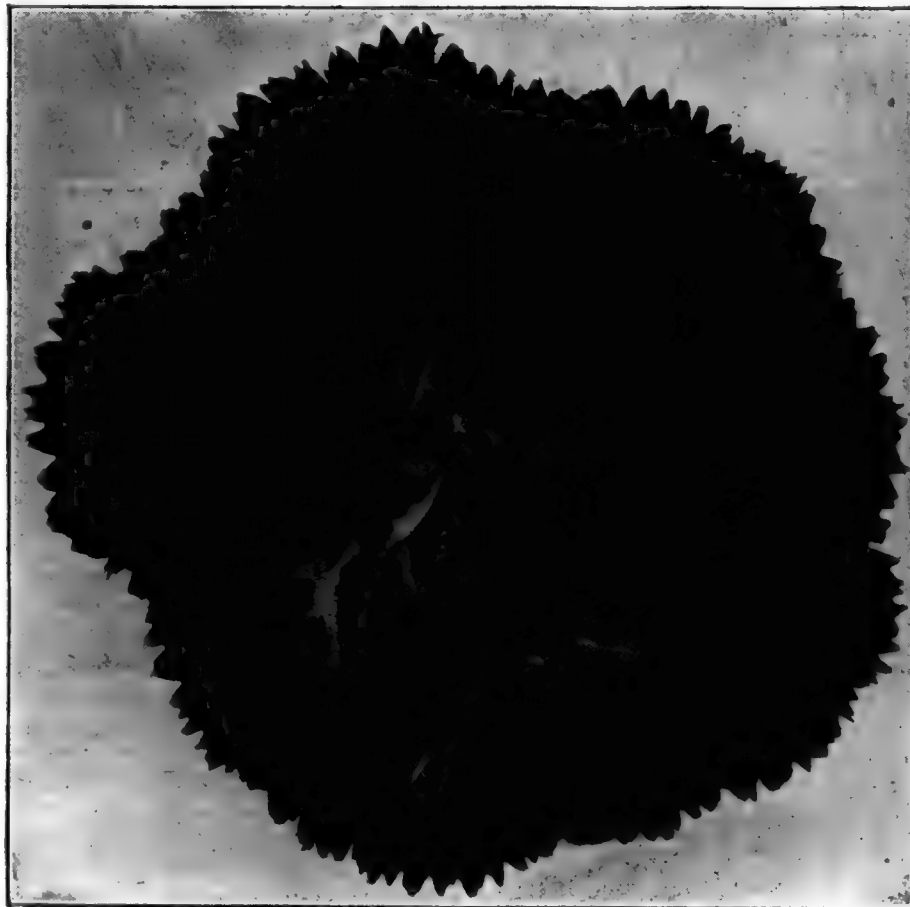
Above prices subject to change without notice.

Decorative Stock.

Wild Smilax, parlor brand.....	\$3.75
" medium case.....	5.50
" large case.....	8.00
Asparagus Plumosus...per doz...	\$8.00 to 8.00
" string.....	.50 to 1.00
Smilax.....per doz.,	1.50 to 2.00
Adiantum Ferns.....per 100,	.75 to 1.00
Common.....per 100,	.15
".....per 1,000,	1.50
Galax Leaves.....	1.00
Farleyense Fronds.....per doz.,	1.00

We carry a good stock of above always on hand and can fill orders promptly.

Vaughan, McKellar & Winterson,
45--47--49 Wabash Avenue,
CHICAGO.



The following testimonial from one of our LEADING GROWERS should have a great deal of bearing with growers of Carnations:

Mr. JOHN WEILAND, Evanston, Ill. Dear Sir:—In reference to the new Carnation "Evanston," which is being introduced this season, would state that I have grown a bench of this variety for the past year and have been better impressed with it than with any new carnation that has as yet been introduced, for scarlet, and intend the coming season to grow this variety for our leading scarlet, as in my estimation this variety will fill a long felt want in the market; namely, a good scarlet carnation, with good, thrifty habits and a strong producer. The "Evanston" is one that will surely fill these wants, and is one that will find ready sale wherever introduced. I consider it superior in all respects to any of the other twenty leading varieties which I now grow. I heartily endorse it to all carnation growers as a sure money-maker. Yours very truly, PETER REINBERG.

Give us your order now. Rooted Cuttings, \$7.00 per 100, \$60.00 per 1000
500 at the thousand rate.

Mention The Review when you write.

REED & KELLER,

122 W. 25th St., NEW YORK CITY.

Manufacturers of WIRE & DESIGNS
and Dealers in

FLORISTS' & SUPPLIES

Mention Florists' Review when you write.

Brilliant Green and Bronze
Galax Leaves

CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.

Mention The Review when you write.

M. RICE & CO.

NEW ILLUSTRATED CATALOGUE
FOR THE ASKING.

Exclusive Importers and
Manufacturers of

Florists' Supplies

25 N. Fourth Street, PHILADELPHIA, PA.

Mention The Review when you write.

F. & F. NURSERIES, SPRINGFIELD, NEW JERSEY

Wholesale Growers TREES and PLANTS in Full Assortment.TRADE CATALOGUE FREE.

Mention The Review when you write.

SAMUEL S. PENNOCK, WHOLESALE FLORIST

OPEN DAY AND NIGHT—From 12 A. M., Mondays to 10 P. M., Saturdays.

A constant supply of SELECT VALLEY the year round.
AMERICAN BEAUTIES OUR SPECIALTY.

1612-14-16-18 Ludlow St., Philadelphia, Pa.

Mention Florists' Review when you write.

WESTERN PENNA. HEADQUARTERS FOR EXTRA FANCY STOCK.

PITTSBURG CUT FLOWER CO., Ltd.

705 Penn Avenue, PITTSBURG, PA.

Long Distance
Phone 2157.

Wholesale Florists.

Write for Price List.
Consignments
Solicited.

Mention The Review when you write.

ALBANY, N. Y.

Christmas trade was 25 percent larger than last year and the increase in the sales of plants was especially noticeable.

Mr. H. G. Eyres reports that the best selling plants were the ardisia, Epacris Willmoreana, pink and red azaleas, palms and araucarias, all in green and white baskets, the ardisias in red baskets.

Violets took first place with him as he had the finest ever seen here. He sold over 28,000 in three days at \$3 and \$4 a hundred. Beauties sold well at \$8, \$10 and \$15 a dozen. Brides and Maids went well. Carnations were excellent at \$1.00 and \$1.50 a dozen.

Holly wreaths sold better than ever. He had three men at work for ten days making them up and sold over 450. Holly was finely berried.

ITHACA, N. Y.

Holiday trade in cut flowers has not been brisker than usual, but the demand for pot plants has been far above the average. The Bool Company report an excellent retail trade in adiantums and primulas. Christmas greens have been plentiful and mistletoe rather a drug. Florists are looking forward to the annual gayeties of junior week in Cornell university, which occurs the first week in February, as a pleasant relief from the heaviness of midwinter.

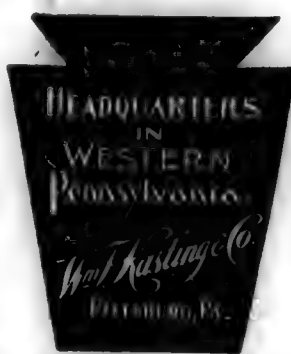
FINE VIOLETS.

Mr. R. E. Shuphelt, Chatham, N. Y., sends us a bunch of Marie Louise violets that are the finest we have ever seen. The blooms are 1½ inches across, of good form, fine color and remarkably fragrant after their long ride through the mails. We congratulate Mr. Shuphelt on the cultural skill shown.

"SUBSCRIBER."—Kindly bear in mind that the real name and address must accompany all communications to insure attention.

ROSES,
Carnations,
VALLEY,
FERN,
GALAX and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

Consignments of
good stock
solicited.



We get
daily new
customers
because
we have
the
reputation
that
all orders
are
punctually
filled.

Long
Distance
Telephone
2985.

WHOLESALE FLORISTS, 444 Sixth Ave.

All kinds of FLORISTS' SUPPLIES and
WIRE DESIGNS always on hand.

Mention Florists' Review when you write.

KELSEY'S SOUTHERN Galax Leaves

Brilliant Green and Bronze.

Information of the Introducer,

HARLAN P. KELSEY,
Prop. Highlands Nursery in North Carolina. 1106 Tremont Bldg.,
BOSTON, MASS.

Mention The Review when you write.

Cut Flower Exchange,

404 - 412 East 34th St., New York,

NEAR THE FERRY.

Open Every Morning at 6 o'clock for the sale of
CUT FLOWERS.

Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

Mention The Review when you write.

E. G. Hill & Co.

Wholesale
Florists,

RICHMOND, - INDIANA.

Mention The Review when you write.

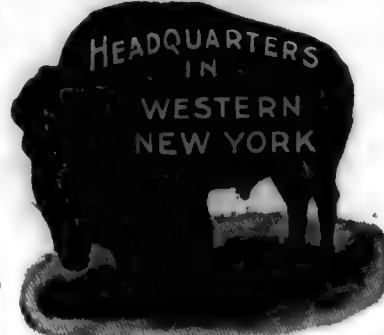
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Florists' Review

When Writing Advertisers.

GIVE US
A
TRIAL.
WE CAN
PLEASE
YOU.

Roses,
Carnations
and all
kinds of
Seasonable
Flowers
in stock.



WM. F. KASTING, Wholesale Com-
mission Florist.
495 Washington St., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire
Designs.

Mention Florists' Review when you write.

WM. J. BAKER,

WHOLESALE
CUT FLOWERS,

1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

Mention The Review when you write.

WM. C. SMITH Wholesale Florist,

1604 Ludlow St. PHILADELPHIA.
LONG DISTANCE PHONE.

Consignments of Choice Stock Solicited.

Our central location enables us to fill out-of-town orders at short notice.

Mention Florists' Review when you write.

EDWARD REID,

Wholesale
Florist,

LONG
DISTANCE
PHONE.

1526 Ranstead St., PHILADELPHIA, PA.

Mention The Review when you write.

American Rose Company,

Specialists in

HAND FERTILIZED
CARNATION SEEDS

from named varieties.

WASHINGTON, D. C.

Mention Florists' Review when you write.

Rose Hill Nurseries.

Palms, Orchids, Roses, Ferns


AND FOLIAGE PLANTS.

Largest stock in America.

SIEBRECHT & SON,

New Rochelle, N. Y.

Mention Florists' Review when you write.


S.B. WINTER

Telephone
Main
4508

Wholesale Cut Flowers

AND FLORISTS' SUPPLIES,

21 Randolph Street,

...CHICAGO.

OUR NEW YEAR RESOLUTION

will consist of making an extra endeavor to supply the Choicest Grade of Cut Flowers that the market produces, and at prices that will leave you a "living" margin. To further this resolution we have engaged the able services of Mr. Lawrence P. Kelly, who has for the past ten years been connected with the commission trade of Chicago—for seven years with Messrs. Kenicott Bros. Co. Mr. Kelly's complete knowledge of Cut Flowers should be an inducement to you to place your wants in this line in our care.

We hope for at least a share of your esteemed patronage.

Consignments
Solicited
from
Growers
of
Cut
Flowers
for the
Commission
Market

Complete
Stock
Florists'
Supplies,
Wire
Work,
Etc.,
at
Right
Prices

INDIANAPOLIS.

Christmas Trade.

The week before Xmas was disagreeable, dark and cloudy, and most of our florists were ready to throw up the sponge, but a change came Friday when it settled down to clear, cold weather and everyone got ready for the fray. As usual a great many saved their stock for Saturday, making flowers scarce throughout the week, and prices high. Everyone concedes that the week just ended was the best Xmas known. In fact it was so good that someone whose head must have been swelled at the increase in trade saw one of our local reporters, and a flaring report of our local trade was published.

Plants were in great demand, many people buying plants because cut flowers were too high. Azaleas were about the best sellers and brought from \$1.50 to \$5. Cyclamens also sold well. Palms were in great demand and brought good prices.

With the exception of Am. Beauties and Meteors the rose supply was good and brought some fancy prices. Carnations met with good demand, especially colored varieties. Prices were from 75 cents per dozen up, according to quality. Although nearly everyone sold out on carnations, it is said that one firm had quite a large supply left. Violets were scarce and sold well, the double varieties having the preference. Bulbous stock was not much sought after and there was not much of it.

The market florists had a busy time Xmas week. Prices there are generally lower than at the stores and as prices were high and flowers scarce their customers were surprised when asked 75 cents for a dozen carnations or from \$1.50 up for a dozen roses. Many a one said that they would look around a little as they were too high, but nevertheless they all had a good trade.

Green goods and Xmas trees, though not handled much by florists sold well, everything being disposed of.

So you can all see that we had a merry Christmas and are looking for a happy New Year. Fred.

ST. JOSEPH, MO.

Christmas trade was quite heavy as was funeral work during the holidays. Flowers plentiful and prices stiff. Beauties \$8.00 to \$12.00 a dozen, roses \$2.50, carnations \$1.00, single violets \$2.00 per 100.

Holly, mistletoe and green sold well; great scarcity of the latter. Never before was the demand for palms and blooming plants so strong. On the whole business was 25 percent better than last or previous years. F.

AURORA, ILL.—Roscoe Saunders has returned from a six months' stay in the east.

CATSKILL, N. Y.—R. D. Miller has sold his greenhouse business to Henry Hansen, who will continue same.

LET
US
POST
YOU.



January Price List-1899

CARNATION ROOTED CUTTINGS
NOW READY.

Rebacco, seedling by Dorner, fancy stem as long as Pingree and bloom same size, yellow, brown, splashed light pink, fine per 100 \$5.00
Argyle, fine dark pink 6.00
Tidal Wave, discarded for Argyle.
Bridesmaid,
Empress, one big crop 4.00
Meteor, discarded for Empress.
Evelina, best paying white we have 3.00
Lizzie McGowan, discarded for Evelina.
Ivory, discarded for Evelina.
Alaska, Mayor Pingree, large cream 1.50
Gold Nugget, best yellow, but small 6.00
Painted Lady, painted 3.00
Psyche, variegated 3.00
Mary Wood, this is all right 2.00
Mrs. G. Bradt, a dandy 3.00
Helen Keller, discarded for Bradt.
Armazindy, " " "
Lily Dean, " " "
Flora Hill, big white 1.50
Daybreak, shell pink 1.50
Triumph, big pink 2.00
Wm. Scott, discarded for Triumph.
Jubilee, scarlet 1.50
Morello, scarlet 1.50
Portia, discarded.
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Bride	1.50	12.50
La France	1.50	12.50
Perle	1.50	12.50
Kaiserin	2.00	17.50

CARNATIONS.

	Per 100	Per 1000
Wm. Scott	\$1.00	\$7.50
Nancy Hanks	1.00	7.50
McGowan	1.00	7.50
Tidal Wave	1.00	7.50
Kohinoor	1.00	7.50
Portia	1.00	7.50
Flora Hill	1.50	12.50

CARNATIONS.

	Per 100	Per 1000
Jubilee	\$1.50	\$12.50
Mayor Pingree	1.50	12.50
Triumph	1.50	12.50
Nivea	1.50	12.50
Daybreak	1.50	12.50
Armazindy	1.50	12.50
McBurney	1.50	12.50

	Per 100	Per 1000
Alaska	\$1.50	\$12.50
Argyle	4.00	35.00
Painted Lady	4.00	35.00
White Cloud	4.00	35.00
Evelina	4.00	35.00

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KENTIA BELMOREANA,

LATANIA BORBONICA,

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" " RUBRUM	60.00 "
" " MELPOMENE, extra size, at	100.00 "
LILIUM AURATUM, 7 to 9 inches, at	30.00 "
" " 9 to 11 "	50.00 "

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Daybreak, not rooted, 50c per 100; rooted \$1.00 per 100. Address

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MILWAUKEE.

Everybody reports a large Christmas business, away beyond expectations. The plant trade was unusually large and everything in the way of blooming plants found ready sale, also palms, ferns and ferneries. In cut flowers there was a shortage of colored stock both in roses and carnations; plenty of whites could be easily obtained. Violets took a drop toward the end of the week, in consequence of growers holding stock until the close of shipping business.

The scarcity of green caused a larger sale of other decorative stock, and holly, wild smilax, needle pines and palmettoes sold largely in excess of former years.

Volk & Stewart, Currie Bros., A. Klokner, M. A. McKenney & Co., Binzell & Kellner and Wm. Edlefsen, all had elaborate window displays, which acted as a reminder of flowers and plants for Xmas gifts, and many a sale can be attributed to this cause.

New Year's business was a disappointment in comparison with last year. First class colored stock moved fairly well, but there was an overstock of white. John.

SPRINGFIELD, ILL.

The 43d annual meeting of the Illinois State Horticultural Society was held here Dec. 27 to 29. It was an instructive and largely attended meeting.

The following officers were elected for the ensuing year: President, Henry Dunlap, of Savoy; vice-president, H. A. Aldrich, Neoga; secretary, L. R. Bryant, Princeton; treasurer, J. W. Stanton, Richview; executive board, Henry M. Dunlap, Savoy; L. R. Bryant, Princeton; J. L. Hartwell, Dixon; G. J. Foster, Normal; H. L. Doan, Jacksonville; J. W. Stanton, Richview; C. W. Barnard, Manteno; L. M. Beal, Mount Vernon.

The society determined to meet again in this city in December, 1899. A resolution was adopted urging the coming legislature and all Illinois congressmen and United States senators to secure the enactment of a pure food, pure seed and pure drug law.

DALLAS, TEX.

We had the best trade in Dallas during Christmas week that we have had in a number of years. Big demand for holly and plants; all cut flowers sold readily. Flowers that were shipped here came in good shape, except carnations, which came in bad shape, and the price, \$6 per 100, left no profit for the florists, as the carnations were very ordinary stock and appeared to have been cut too long and went to sleep as soon as unpacked. All the florists are well satisfied with Christmas trade. Big demand for cut flowers now and stock very scarce. Have had beautiful weather for the last two weeks. Wishing you success, TEXAS SEED & FLORAL CO.

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HOLLAND -- Hyacinths, Tulips, Narcissus,
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CHINA -- Chinese Sacred Lilies.

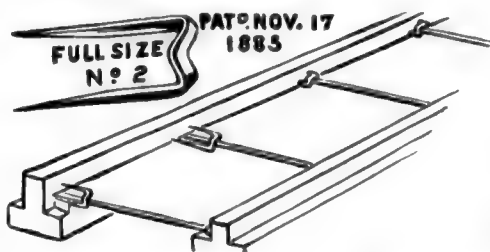
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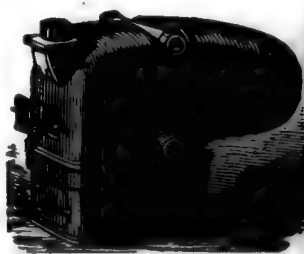
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OMAHA, NEB.—The case of Phil Stimmel, the former seedsman, is now ready for adjudication under the new bankruptcy law. In the pleadings filed in the case it has been shown that he owes approximately \$100,000 and has nothing in the way of assets.

COUNCIL BLUFFS, IA.—We were in error in stating that J. R. McPherson succeeded Frey & Kastner. The place was purchased by Mr. J. F. Wilcox, who took possession December 1.

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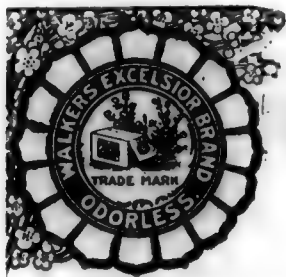
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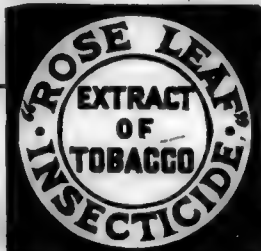
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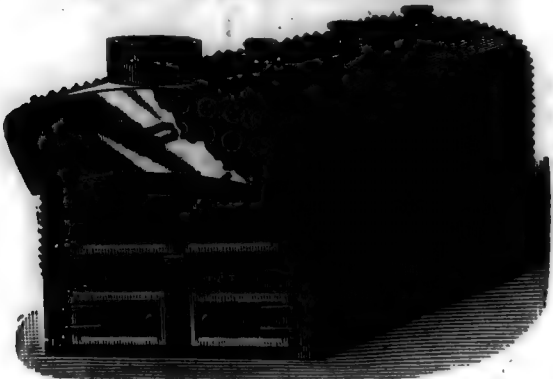
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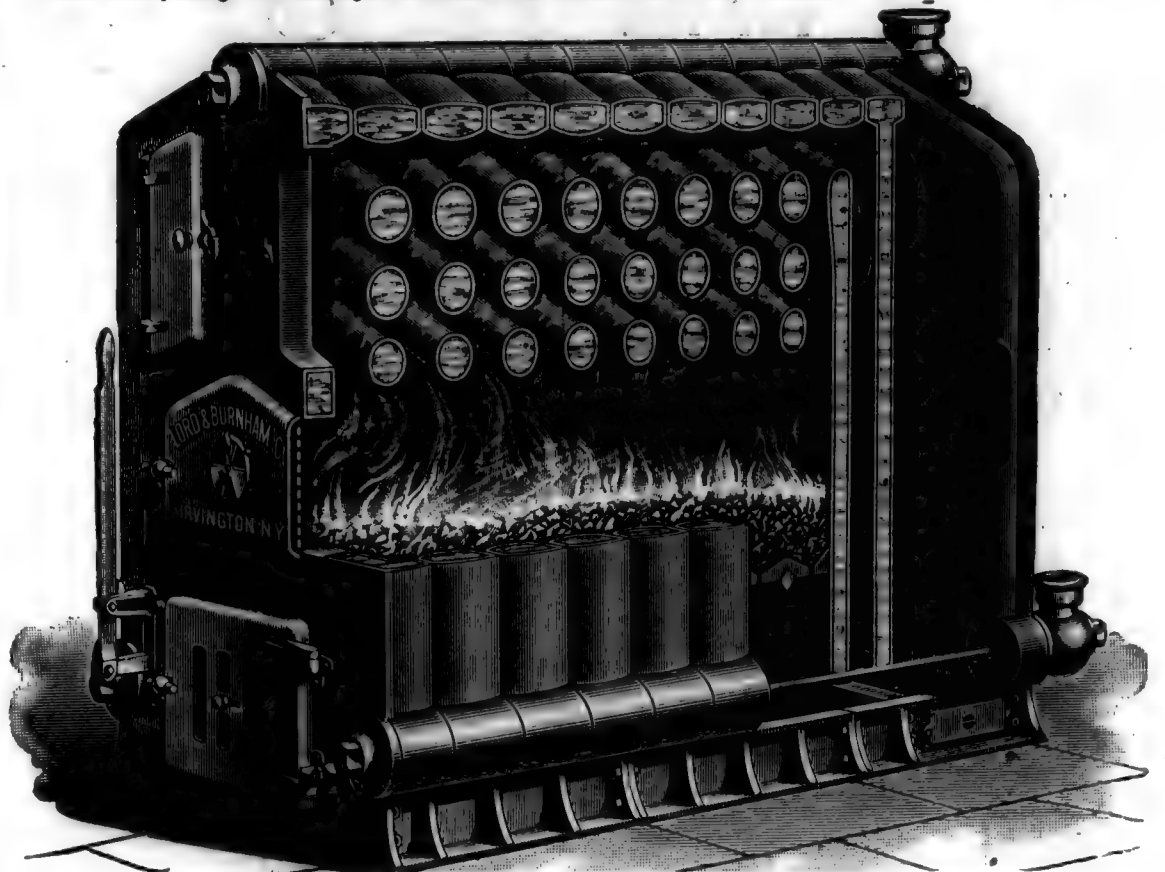
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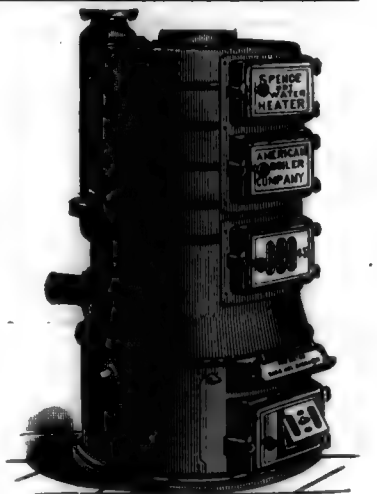
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FLORISTS' PUBLISHING CO., 520-535 Caxton Building, CHICAGO.

Vol. III.

CHICAGO AND NEW YORK, JANUARY 12, 1899.

No. 59.

VIOLETS.

The violet, though a diminutive flower, is fast becoming of such importance commercially that whole ranges of houses are now being erected to supply the growing demand for this sweet scented, royal purple beauty. We have seven houses devoted exclusively to its cultivation, and are very successful with it, being able to have every plant in every house do its allotted work uniformly and well, as a glance at the illustration will show.

We prefer houses 12 feet wide, covered with sash, which are removed in summer time, so that when the violets are planted out they enjoy the same conditions as field grown plants, with the difference in their favor that they do not have to be lifted and suffer the consequent check which usually ac-

companies that operation. Again, violets planted in the field in black muck can be lifted with a good ball of soil attached and grow on, unconscious of their removal. We grow them on side benches in two houses; in the other houses we have the paths at each side, the bench 7 feet wide in the center, with no partitions between the houses; this provides for a good circulation through the houses, preventing that stuffy atmosphere so prevalent in a small house in wet, dull weather.

While we may prefer sand struck cuttings, most of our stock is raised from runners and divisions of the crown, except the center piece itself. If any one finds fault with propagating from divisions, he must find fault with the quality of the plants in the cut presented. After Easter is past the old plants are taken up and all

strong runners and divisions removed and put in 2¼-inch pots. A plant with us will yield from 50 to 60 plants. The pots are carefully shaded until the plants are thoroughly established, when ordinary treatment will suffice till planted out; by that I mean violet plant growing treatment.

We plant out any time in July and fancy that the latest plantings turn out best. One of the best, most prolific benches we ever had, was planted about the 10th of August.

We grow Marie Louise, Farquhar, Lady Hume Campbell and the Princess of Wales. Marie Louise is by long odds the best violet to grow; well grown she stands pre-eminently alone and unapproachable in her niche of distinction. The Farquhar is a good variety, of fine quality, but with us not near as prolific as Marie Louise.



House of Violets at Crabb & Hunter's, Grand Rapids, Mich.

Lady Campbell is a very free bloomer, but is of too light a color to ever become generally popular, yet when grown cool it is so dark that early in the season it can be sent out as a dark variety and the difference remain undetected. When violets are scarce, Campbell finds a ready sale, but is in poor demand at other times. Princess of Wales is a good single variety, presumably the best single in cultivation, but compared with the doubles, it is not free enough, and is in limited demand at that.

We use any good reasonably heavy soil procurable, with a good mixture of rotten sod to insure porosity; the roots like to run round freely. We

water when necessary, ventilate on bright and sunshiny days, fumigate lightly, about once a week is sufficient, and remove all dead and decayed leaves as fast as they appear, and put on the sash as soon as cold weather comes.

The mainspring of success in violet culture is having strong, sturdy, well rooted plants from pots to start with; or if field grown, the same conditions must prevail, except the clump should be lifted with some soil attached, the more the better. The selection of stock and its cost is a matter of such vital importance to the purchaser of stock as to require a separate article, as too many, from either necessity or economy, are inclined to go more by the cheapness of the stock they buy, than by its quality; and cheap stock is often dear at any price.

GEO. F. CRABB.

SEVERAL SORTS IN ONE HOUSE.

Which are the best roses to grow for cut flowers from December to May, all to be grown in the same house?

P. N.

Presuming that P. N. intends growing roses for a local retail trade, I would advise planting the Bride for a white, Perle for yellow, Bridesmaid for pink, and Souv. de Wooton for a red rose. These varieties can all be grown successfully in a temperature of 55 to 60 degrees at night in the same house.

In a general way it might be said that with the exception of the variety Meteor, nearly all the varieties of forcing roses could be grown successfully in the same house. It is simply a matter of convenience and appearance. On a large place, separate houses are devoted to different varieties, merely to facilitate the work of running things on a systematic basis; at the same time it enables the grower to study more carefully the needs of each variety and thereby keeping it under more complete control.

S. A. B.

MODEL ROSE HOUSES.

The accompanying engravings are from photographs of the rose houses of Mr. Henry Hentz, Jr., Madison, N. J. As will be noted in the illustration, this place consists of nine houses 175 feet long. Two of them are even span, with the back end partitioned off for use as propagators, etc.

The houses are all modern iron-frame structures, erected by the Lord & Burnham Co., and are heated with the new hot water sectional boilers, furnished by the same firm.

This year roses are grown exclusively. Bride, Bridesmaid and Beauty are the varieties. They are in excellent condition, some of the best buds that reach the New York market from this section coming from this place. Most of the stock was planted in July, and for a while made but little top growth, but the benches were soon filled with roots, and when cool weather set in the plants made some fine breaks, coming in crop a little before Christmas and producing a good quantity of fine buds since.

Well rotted manure was put through a manure grinder, similar to the one described in The Review some time ago, and then spread evenly on the benches. For greenfly tobacco stems are used. They are placed in pieces of chicken netting about 6 feet long and 4 feet wide. These pieces are filled with a small quantity of tobacco, folded over lengthwise and hung on nails or hooks under the benches near the walks. The wire will last a long time and can be carried out and refilled as often as desired. This is about the most economical and cleanest way of using stems the writer has seen. Sulphur is painted on the pipes to keep down mildew, which, however, can get but little foothold, as the plants are healthy and grown cool. All in all,



ROSE TROUBLES.

Can you tell me what ails the rose plants, of which branches are enclosed? The leaves look as though they had been scalded. A bench of plants standing beside them are in perfect health.

P. F.

The specimens received show no particular signs of disease, but appear to be taken from very weak plants, which certainly must have been poor stock when benched, and probably planted late in the season. The branches show such a hard, wiry growth as to indicate a starved condition, from which it seems they have never been able to recover. Such plants when slightly overwatered often act in the manner complained of.

There is only one remedy for such troubles, and that is: Avoid such stock altogether. Plant only strong, healthy plants and see that they are planted on time. Now is the time to be getting in shape for next season's stock. Start with strong, healthy cuttings. When rooted, endeavor to keep them in good growing condition until they are ready to be planted on the benches. Planting poor stock for winter blooming is the poorest kind of an investment, and can only result in greater or less failure.

S. A. B.

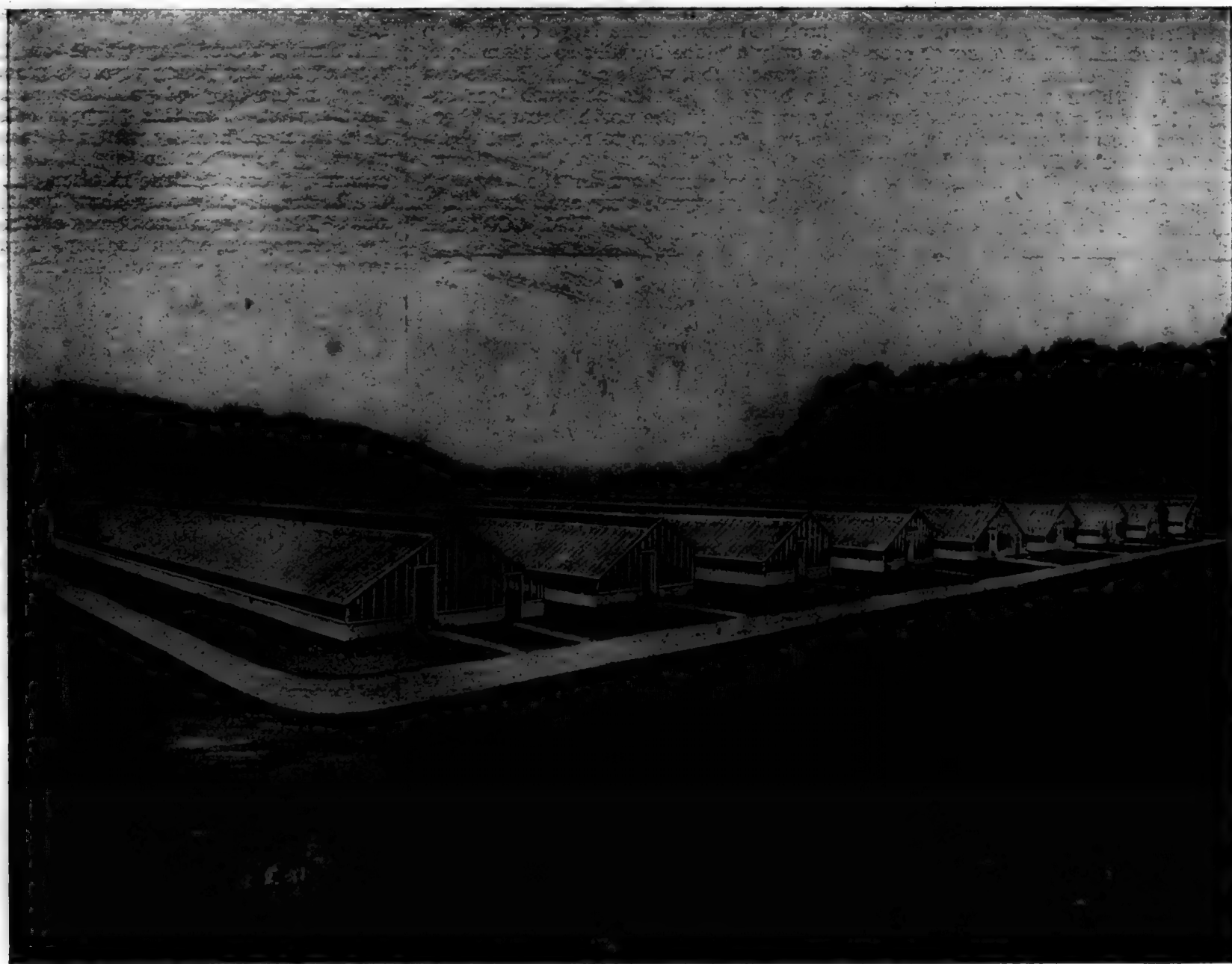
ROSE NOTES.

Rose cuttings that were put in the sand in December will now be making callous and forming roots. During this period the sand will stand a few extra good waterings, which enables the white roots to form quickly and makes them more pliable, thus avoiding the danger of breaking when removing from the sand and during the operation of potting. The best time to pot a cutting is when the roots are one-half to one inch long; the longer you wait after this the more work and care it will require in potting the cuttings. A good hand will pot 400 to 500 cuttings in 2-inch pots in an hour for ten hours and do the work well.

When potted they should be placed in a house near the glass in a temperature the same as maintained for the cuttings in the sand. Give them a good watering and see that every pot is filled with water. If the weather is bright, shade with old newspapers for two or three days, otherwise a light sprinkle in the morning and another in the afternoon will keep them in good condition.

In regard to soil for potting rose cuttings, we find the same soil used for benching to be equally suitable for potting the cuttings, with this exception: it contains very little manure. We prefer using the rotten sod without anything in the way of manure or fertilizers added, for the first potting. This soil is run through a half-inch screen, after which it is ready for use.

S. A. B.



Rose Houses of Mr. Henry Hentz, Jr., Madison, N. J.
[Erected by Lord & Burnham Co.]

the place is a model one and well worth a visit. PENN.

HEATING.

In reply to Z. K. J., the mains, being of two and one-half inch pipe, are of ample capacity for the feeding of the coil containing only two hundred and sixty-six lineal feet of two-inch pipes. Considering the long run which this flow pipe makes before reaching the coil, about one hundred and fifty feet, it would be well to wrap the pipe with hair felt or other low cost non-conducting material, in order to prevent loss of heat from the main before it reaches the coil.

The amount of radiating surface in the coil is ample to maintain a temperature of sixty-five degrees in the lean-to house, if effectively arranged. I notice that the coil consists of seven two-inch pipes placed on the side wall of the greenhouse; this is where the troubles originate. A vertical coil, where circulation is all in one direction, is not effective in water heating, especially where as many as seven pipes are used, as the circulation will

take the top or bottom pipes, as the case may be, and miss the intermediate pipes, excepting in the case of very heavy firing. It were better to remake the coil in two parts, and place them, horizontally, below the bench, the lower coil to have four pipes and the upper three pipes, both flowing in the same direction as at present, downwards towards the office, and having a downward grade of at least four inches in their length.

Also see that the return main from the coil to the boiler has ample down grade all the way, and it would be better to make a separate connection of this main to the boiler, as if run into a main, having a stronger flow, the flow of the weaker current is liable to be cut off almost entirely.

H. W. GIBBONS.

New York.

A CHEAP GREENHOUSE.

I have lately erected a cheap greenhouse. The glass has a lap of over an inch, and the glass was not properly cleaned of paint and putty stains. Plants burn badly, especially rubbers

and palms. Have no top ventilation. The whole front of the house is made of shutters that are taken down and put up on cold nights. Would like to know the cause of plants scalding. Some of them have holes burnt clear through them. FLORIDA.

Even in the balmy and sunny climate of Florida it is no economy to build such a house as the one described. Ventilation must be supplied at the ridge, for there is where the hot air resides. The burning is caused either from poor glass, great heat, or the plants being allowed to get dry. We have tried most of the well-known commercial palms out of doors in the broad sun during our summers, and if properly supplied with moisture at the roots they do not burn in the least. A latania or kentia, for instance, in a tub, and well supplied with water, does not hurt in the least, but put a small specimen in the center of a vase in a cemetery where it is crowded for root room, and perhaps watered but once in forty-eight hours, and they will burn right up.

"Florida" can stop the burning by giving his roof a heavy coat of white lead and naphtha. We have never seen "holes" burnt clean through the leaves." We think where that occurred a lump of old putty must have fallen from the roof on to the leaf, or some of the Rough Riders might have been practicing in the neighborhood when the shutters were down.

The inch lap on the glass is just a

little more than three-fourths of an inch too much. The large or long lap is only a place for dirt to accumulate. In conclusion, while a glass house can be built in Florida at much less expense than in the north, because there is no such climate to resist, yet there is no such thing as a cheap house. They are very dear in the end, for whatever purpose they are intended.

WM. SCOTT.



CUTTINGS.

Now again commences the time to prepare the young stock for next season. How opinions differ of what constitutes the best cuttings. Most growers prefer the young side shoots from a flower stem, and reason that when the plant is in full bloom it is in the zenith of its vitality, and these side shoots coming at such an opportune time are the best cuttings. Nobody will question the fact that a plant is at its highest point when in full bloom, but how does it affect these side shoots so desirable for cuttings? I find they are a different quality at different seasons. Will these side shoots when left to grow bring as good a flower in time as the one that has crowned the stem from where it was taken? In the forepart of the season, say November and December, they will in time produce a better flower, for the plant at that time has not attained its full maturity, while those produced in the latter part of the season will bring smaller, poorer flowers, or when too late will often not bloom at all.

A good percent of this deterioration we must attribute to climatic influences, the weather becoming too warm, but the largest part is caused by the declining vitality, the exhausting effort of perfecting the blooms.

Now let us take a flower stem and examine these side shoots which we intend to take for cuttings: The uppermost, in some sense the most economical to take for they will be cut with the flower stem anyway, are the weakest. As we descend on the stem they appear stronger, and at the base we find the strongest. True, they are of different age, but this does not cut much of a figure, for when the flower is cut with a long stem they will have to be sacrificed anyway. The strongest ones at the base we are loath to take for they are the earliest to bloom again. The supposition that those taken from up on the stem will produce the most free-blooming plants is a mistake, and has its foundation in

the fact, that we do not like to sacrifice our Easter and Spring flowers for January cuttings, so there are no others left. For this reason I said it is in some sense economical but by no means the best method. This is the common practice with most growers. We want flowers, cuttings, everything at the same time and from the same plants, and results can only show a deteriorating effect.

In my opinion the young shoots at the base of the flower stem, or for that matter on any part of the plant, that are able to produce the largest flowers on the strongest stems, are also the ones that will make the most vigorous young plants. Only one has to be careful, and not let them advance to the stage of bud formation, for if a bud is formed, and when only as large as a pin head when the cutting is taken, it is bound to develop and grow so long as there is the least subsistence, and every bit of this will be monopolized to develop that bud at the expense of all other growth. I admit that to take these base cuttings will greatly interfere with the flower crop, and make it rather a conflicting unsatisfactory work.

We are yet far from the right track to produce the best cuttings; as yet the crop of flowers comes first, a crop of cuttings—new plants for the next season is secondary, which, if wisdom is the guide, will be first thought of. The culture for cuttings, young plants, should be separated from the general culture of flowers. In other words, plants should be selected for the exclusive purpose to cultivate for cuttings only. The general cultivation for flowers would only be improved by it.

I followed this idea for several years, but made some mistakes resulting from economical views. I used a chrysanthemum house for that purpose, and the intervening time, when the plants had to be removed from the field to protect them from frost, and the time when the house became available (some five or six weeks) were always injurious to them, but since I plant them from the field in one of the sunniest carnation houses at the prop-

er time, results are more than gratifying.

We must never forget that on the crop of healthy young vigorous plants, depends the crop of good flowers for next season. For this purpose select only the most healthy plants, it is not necessary to select the largest, on the contrary I consider the smaller plants the better, if they only show healthiness. Plants from late struck cuttings are just as good when healthy. I prefer cuttings from plants that are on the growing, ascending way to maturity, to those from plants that are over mature and nearing the declining stage. Size is not always the assurance of health, and a small plant may not have been retarded by disease. Nutritious elements may be lacking at the spot where it grows, it may have been injured by careless handling, and so many other things that may have retarded its growth but probably by no means impaired its health. I repeat again, that only plants should be selected, that have the unmistakable mark of healthiness stamped upon them. Size does not cut any figure, and as the larger, more matured plants are more desirable for early flowers, the separation of the culture for cuttings from the general culture for flowers will certainly prove economical.

I prefer to give the plants the benefit of field culture up to October, being careful they are not exposed to any hard frost. At that time they will have attained more hardiness, and the cooler weather will greatly help to overcome the ordeal of transplanting. Keep up the topping process, never let any buds develop, save all their strength, and let none go to waste. House culture next. Fred Dorner.

AMERICAN CARNATION SOCIETY.

Carnations Registered.

America.—By E. G. Hill & Co., Richmond, Ind. In color a rich, soft, scarlet, large in size, of extra robust growth, free in production of bloom. A good commercial sort.

Dorothy Mandell.—By H. A. Cook, Shrewsbury, Mass. Color a pure rose pink, large flower, long stem and prolific. A strong grower and vigorous like Scott, but of a more open growth.

G. H. Crane.—By F. Dorner & Sons Co., Lafayette, Ind. In color a brilliant scarlet, keeping its brightness and does not dim with age. Large, perfect formed flowers, well built up in the center, and a strong calyx that does not burst. Stem 16 to 18 inches long and stiff, holding up the flower in the early part of the season as well as the late spring months. Plants strong and well formed, with hard, broad foliage. Easily grown and quickly established, an early and continuous bloomer, being thickly covered with buds for the holidays.

Melba.—By John N. May, of Summit, N. J., and Robert Craig & Son, of Phil-



View in one of the Iron-Frame Rose Houses of Mr. Henry Hentz, Jr., Madison, N. J.

[Erected by Lord & Burnham Co.]

adelphia, Pa. A grand combination of good qualities, free bloomer, early and continuous. In point of color the finest pink carnation yet produced, large and perfect in form, very fragrant and with a long, stiff stem.

Moore's Crimson.—B. L. A. Moore, Unionville, Pa. A free flowering, perfectly healthy variety, early and continuous in bloom.

Gov. Griggs.—By Joseph Towell, Paterson, N. J. A strong, healthy grower, a continuous free bloomer, with stiff stems and in color similar to Daybreak but brighter. Of good shape, with full center, and does not burst. Beautifully fimbriated.

ALBERT M. HERR, Sec'y.
Lancaster, Pa.

SCALE ON CISSUS DISCOLOR.

I would like to know a remedy for a brownish soft scale on *Cissus discolor*. A great drawback to applying insecticide with a syringe is that it spoils the color of the leaves. W.

When badly infested with scale it

becomes rather difficult to clean a plant of *Cissus discolor*, the leaves being so tender that any insecticide that is strong enough to kill the insects is almost certain to injure the plant. Hand picking or sponging with a soft sponge and soap solution is the safest method, though a slow and tedious operation.

If the plant is very dirty it would pay better to secure a few clean cuttings, and then destroy the old plant entirely, for cuttings rooted now and potted off two or three together in a pot would soon take the place of the original plant. W. H. TAPLIN.

VEGETABLE CULTURE UNDER GLASS.

BY A. HERRINGTON, Supt. of Park, Florham Farms, Madison, N. J.

[Paper read at the 24th annual meeting of the New Jersey State Horticultural Society at Trenton, N. J., January 5, 1899.]

The decade now drawing to a close is marked by an extraordinary development in glass-house production. It

has witnessed the building up of mammoth establishments solely devoted to the growth of products that we have come to regard as necessities of life, although they are in reality but luxuries. To attempt, however, to dispense with the plants and flowers now raised in such prodigious quantity, and used often with lavish profusion to adorn our homes, would create a sad void, and leave a cheerless blank in some of the pleasantest functions of life. From the cradle to the grave Nature's beautiful children born of Mother Earth bringing brightness and sweetness into the lives of millions, have become such a necessity that since very early days man has resorted to artificial means of provision for the same when natural sources by virtue of the seasons temporarily fail him. Upon the floricultural branch of glass-house production, however, I cannot now enlarge, as the subject assigned to me is a gastronomical one.

Vegetable culture under glass at the present day is almost infinitesimal, certainly insignificant in comparison

with floriculture under glass, yet it is a subject of growing importance, and evidently recognized to be so by those who drafted the programme for the occasion of this meeting, hence its introduction here. Vegetables are a real necessity of life, and no apology is needed to justify the assertion. We are all agreed that their wholesomeness and nutritive qualities are in a direct ratio with their freshness. Yet the sharp limitations upon our resources through and by the prevailing climatic conditions of the latitudes in which reside the majority of the population are such that for about six months of the year we cannot go to the garden and gather therefrom vegetables that are fresh in the truest sense of the word, but must perforce fall back upon and take whatever the market has to offer. In respect to markets, however, we are a favored people, as rapid and improved methods of transportation enable us to obtain in open market the products of the warm, sunny south during those long months when the productive earth about us is locked fast in the iron bound ice grip of winter, and it is just this possibility that is a strong determining factor in the case, presuming that you desire me to treat the subject from a lucrative standpoint.

The practical man, looking to the commercial side of vegetable culture under glass, asks immediately, "Will it pay?" Both positive and negative answers can be given. "Yes," if the person embarking in the enterprise can command a market for his choice products at a price commensurate with the cost of production. "No," if he must avail himself of existing conditions, distribute through present channels, thus coming in conflict with the vast bulk of products which though decidedly mediocre satisfy the needs of the majority of purchasers.

Taking up the positive side again, I unhesitatingly affirm my belief that, given the right locality—a proximity to a large center or community of comparatively wealthy people, who will give preference to and purchase the products by reason of their superior quality, then vegetable culture under glass can really be made lucrative. To those possessing gardens and greenhouses of their own it can be particularly commended, as from a comparatively small house, and with intensive cultivation, the table can be furnished with something fresh daily for six months of the year. It is to this end that my labors have been directed, and the reflections previously made as to the commercial possibilities in the matter embody such wisdom as we have acquired based upon results achieved during the past three winters in a house 100 feet long by 18 feet wide, devoted entirely to vegetables.

The house is an even-span, has two center benches, each three feet nine inches wide, with a central alley 12

inches in width, and two side benches three feet wide, all of the conventional character, raised two feet above the floor of the house and four and a half inches in depth.

Reviewing the crops that have been grown therein, that we consider the most important, and have had great success with, is:

Cauliflower

Samples of the same from the house in question are here exhibited. I anticipate an objector saying they are too small. They are small, judged by the standard market cauliflower, but we do not measure beauty with the yard-stick, and it is the exception to find high quality and bulk exemplified in the same article. In spite of a life experience I never knew what perfection in a cauliflower was till three years ago, when I first ate one from the greenhouse, and was amazed at its superiority over the same article grown under the best conditions outside at any season or period of the year.

On benches of the depth and dimensions already described we plant the young cauliflower plants one foot apart each way. They are of course transplanted from flats when they have made about four or five leaves. It takes about ten weeks to perfect the crop, and starting with a first planting about the middle of September, and following up with successional batches about every two weeks, we find no difficulty at all in maintaining a supply from November to May.

Beet Greens

Have a considerable space devoted to them and form a crop that comes quickly to the desired state of maturity. The seed is sown in flats, and as soon as the plants are large enough to handle they are dibbled in rows across the bench. The rows are four inches apart, and the plants one inch apart in the rows. Four weeks are sufficient to get them large enough to cook as greens, whilst if left for an additional period they form sufficient root to be used in the conventional way.

Carrots

Are also satisfactory, either sown upon the bench or raised in flats and transplanted. We use for bench culture the stump-rooted varieties of the French Forcing type. They take a rather longer period before they are fit for the table, say from twelve to fourteen weeks, but they can be grown as closely as the beets, and their yield per square yard of occupied space is considerable.

Lettuce

Also is grown in the same house, the plants standing at eight by six inches apart, but the depth of bench (4½ inches) was found hardly sufficient for this crop, so it was doubled, with satisfactory results.

Onions

Also are grown from sets, but they do not bulb readily during the winter months, although as spring advances they prove all that could be desired.

With these vegetables here enumerated in successive plantings in rotation I find it is possible to secure three distinct crops during the winter season. For example, that portion of the bench planted with cauliflower in September is cleared in December. The soil is then loosened up, allowed to dry out a little and sweeten, and then replanted with beets, which crop, when gathered, can be succeeded by a planting of lettuce, carrots or onion sets, or even a second crop of cauliflower. It is desirable to re-enrich the compost with the addition of some well-rotted manure before planting the third crop, or the crop may be assisted by watering with liquid manure when well under way.

It goes without saying that such a house is a satisfaction and well repays the cost of erection, and after attention, in a private establishment such as I have the care of. I am, however, a firm believer in its commercial possibilities if the material can be placed after production where remunerative prices will be paid. In this connection I may remark that I read a paper on this same subject a year ago at one of the American Institute meetings in New York. At a recent meeting of the same institution some excellent cauliflowers were shown, grown as here recommended, and I am informed that the grower has secured orders to supply sixty private families with his product. If such is the case he will assuredly find his venture remunerative.

But we have not yet exhausted the possibilities of a vegetable house. All the floor space beneath the benches can be utilized if due preparations towards that end are made.

Rhubarb

(Or pie-plant, as it is commonly called) needs no better accommodation for forcing than that furnished by this under-bench space, provided the grower has some good strong stools of it to bring in from the open ground. These should be previously prepared by good cultivation in the open ground; they can then be lifted before the ground becomes hard frozen, stored in any cold shed or convenient place, and brought in for forcing as desired. The plants can be thrown away when their produce has been gathered, and a new lot introduced. Following this up in a successional manner, you can easily have rhubarb in abundance from Christmas onwards, till such time as the open-air crop is ready, and whilst occupying otherwise useless space it will make a handsome addition to the returns of a vegetable house.

Asparagus

Also can be forced in the same way.

and every grower for market knows that it pays to grow at any season, and therefore may be expected to pay best of all in midwinter. Provided you have strong three-year-old roots to bring in for forcing you need have no doubts as to the outcome. The roots can be packed in thickly as close as they will lie, covered with soil, and kept moist, and the temperature of the house will do the rest.

Mushrooms

Suggest themselves as another possibility, say beneath the center benches, as affording the most space for making a bed of sufficient volume to hold the heat in the materials used to compound the bed. The temperature at which such a house should be run, namely 45 to 50 degrees by night, with a proportionate rise from sun heat by day, is just an ideal condition for the growth of mushrooms, and the only precaution it occurs to me to suggest in regard to this crop beneath occupied benches is just to cover the bed with tar-paper, or similar material that would shed any water draining

through from the bench above after watering the crops thereupon.

Sea Kale

Is another vegetable that could be extensively forced beneath benches, but why is it, this vegetable, considered absolutely indispensable in every establishment on the other side of the water, here is not grown at all? I imported some roots, and grew it for one season only, as after sending two lots to the kitchen I was asked to send no more; yet you see it daily in the London markets from December to June.

String Beans, Cucumbers and Tomatoes.

I have intentionally omitted to treat of here, as they require higher temperature and special treatment. Apart from them, everything else mentioned can be grown to the fullest measure of success within one structure. To those who have glass structures that are no longer profitable to them, and who are seeking a new field of enterprise, other essential conditions being favorable, I say, unhesitatingly, "Go and force vegetables under glass!"

flowers in three weeks, and will keep many days in a cool house after being out.

Geraniums.

One of the heavy jobs just now is shifting your geraniums from 2 to 3-inch pots. I am aware that some of my readers will say, "Can't afford it," or "too much expense," thinking they can't give so much space or labor to so common a plant. In answer to that I must say that if you want good bedding plants in May, bushy plants with one or two good trusses of flowers, this midwinter shift is necessary and will pay well. Another thing, if you read the reports of the spring plant trade last year, you will notice that almost 75 per cent. of the bedding plants sold last year in value were zonale geraniums. Carpet bedding is gone out and old-fashioned flowers have returned. The geranium and the canna are the two popular flowering gardening plants of the day, so grow all your space will allow. Shifting them into a 3-inch now will not take up much more space, for they will have to have more room anyway; 45 degrees at night is plenty high enough with the fullest light and abundance of ventilation. A rather heavy loam with a fifth or sixth of well rotted manure—old hotbed or well rotted refuse hops—is a good mixture, and be sure and pot firm. The tops of these plants taken off about end of February and rooted in 2-inch pots and grown along without a stunt will also make excellent bedding plants. The ivy geraniums also need shifting. We never have enough of them.

Cannas.

It may be three months yet before you cut up and start your cannas, but you should not entirely overlook them. They are most likely under a bench resting on boards, that's the best place I have found for them. Cellars, if heated, are too dry, and if not heated too cold and damp. A very little moisture at the root will start them growing, which is not at all desirable now, and water dripping on them is most injurious; it will rot the dormant roots. So give them a move of a foot or two, which will check root action, and if there is any drip on them you can perhaps avoid it. If you desire to raise any cannas from seed, and often we do, as fine plants for bedding if sown at once can be flowered by middle of May, you should get them into the sand as soon as possible. I know no better way of getting a quick germination than by putting the seed to soak in hot water. Let the seed remain soaked for 24 hours; then by holding the seed with a pair of pliers or pinchers, slice off a small piece of the hard covering of the seed. Sow in a flat of soil and cover the seed with one-half inch of sand and place where it will get a strong bottom heat. Without going to the trouble I have described above and sowing as you would peas, you may get 25 per cent.

MISCELLANEOUS SEASONABLE HINTS.

Poinsettias.

There may be yet a few who do not know just how to treat the poinsettias. After they are cut or the flowers are gone lay them under a bench in a warm house or store them in a warm shed. It matters not how dry the soil gets, the wood will ripen and that is what you want. Leave them in that condition till the middle of April.

Azaleas.

I have within a few years said the most economical way to keep over azaleas that were unsold was to throw them away and buy a fresh lot every fall. My experience and observation the past year compels me to modify that statement. For one reason it is more expensive than formerly to import plants, and undoubtedly the plants that have been under proper care during summer and fall make better forcing plants, i. e., for Christmas, than those imported but a few weeks previously. If the newly imported plants can be made quite as attractive as the older plants they are certainly not as satisfactory to the purchaser as those which are better established in the pots. I speak of their care thus early because you are

sure to have some plants of Deutche Perle, Simon Mardner and Vervaneana, and perhaps other varieties that have been left over from holiday trade. It would be natural to encourage growth of these plants as soon as the flowers were gone, but that would bring them along very early. They can be kept in a cool house, say 40 to 45 degrees at night, till after Easter, when there will be others to join their ranks, the treatment of which I will deal of in the proper season.

Don't neglect to stand over your Easter azaleas every three or four weeks and rub off the young growth which is much inclined on the newly imported plants to grow so vigorously that if let alone will take precedence over the flower bulbs and you will get no blossoms.

Lilacs.

There is no need of being out of the flowers or plants of this sweet shrub at any time now till spring. We did not pot them this year, but laid them in a cold frame with their roots covered with earth, and pot them as we need them, or rather pot up a few every week. In a temperature of 65 degrees at night they develop their

of the seed to grow quickly, the remainder may come up at intervals between now and the year 2000.

There is no excuse for having any part of your propagating bed vacant now. No better time for cuttings to root quickly, and by putting in cuttings now you can throw away the old stock plants that you lifted in the fall for that purpose. This will apply to such plants as coleus, heliotrope, salvia, feverfew, ageratum, etc.

WM. SCOTT.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

520-535 Caxton Building, Chicago,

334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/4 page, \$13.50; full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.
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NEW YORK.

New York Florist Club.

The first meeting of the above club for 1899 was held on January 9, and a very interesting meeting it was, too. President Plumb made an eloquent address outlining the policy and future workings of the club; some of the points he particularly emphasized were that steps should be taken toward giving the S. A. F. a rousing reception in New York in 1900. That there was such a vast amount of news and educational matter appearing in the horticultural press of today, rendering it unnecessary for florists' clubs to be wholly devoted to education, consequently social entertainments brought out better attendance, and he hoped to see more of them. That the club should endeavor to give an exhibition in New York this year. Secretary Young read his annual report showing the vast amount of work the club had done, and the excellent condition it was in at present. Treasurer Weathered substantiated this by proving a large balance of cash on the right side. Mr. Burns reported for the bowling section, and stated that they had got the alleys in good shape, and the members were working enthusiastically with a view to having the New York team heard from at Detroit next August.

The awards committee reported that they had visited Mr. J. N. May's place at Summit for the purpose of inspecting his new carnation, "Melba;" they awarded it 85 points and recommended it a certificate of merit. Owing to illness in Mr. Hafner's family, the an-

nual dinner committee, Messrs. Hafner, Troy and Raynor, were unable to report; however, it is expected the club's dinner will be up to the usual standard, and will take place early in February. The entertainment committee reported that they had provided eight lectures and many forms of entertainment, and refreshment during the year 1898, and that there was a small balance left from the amount appropriated by the club for such.

Mr. O'Mara reported that the committee on legislation had completed its work, and that the national secretary would publish it through the trade papers. The initiation fee of the club was reduced from \$5 to \$3, otherwise the by-laws remain unchanged for another year.

It was announced that the medals offered by the club for the best exhibits during 1898 were won by: W. A. Manda, gold medal; C. W. Ward, silver medal; C. B. Weathered, bronze medal.

Exhibits at the Meeting.

Frank Niquet, Patchogue, L. I., showed a vase of his new carnation, Maud Adams. This carnation, which is a pleasing shade of Beauty red, has already been certificated by the club. Honorable mention was given this exhibit.

Joseph Towell, Paterson, N. J., sent a vase of his new seedling carnation, Gov. Griggs, similar in color and form to Daybreak. The committee recommended inspection of it growing before passing upon it.

President Plumb showed well-grown mushrooms, and Essex hybrid tomatoes, also a vase of fine carnations, all of which received honorable mention.

The Market.

The condition of the flower trade is such as to deserve pity for those who depend on it for a large income. Just now it seems to be in a stupor after the great Christmas rush, and rush it was, to be sure. It was a great Christmas, breaking all records in the sale of plants, and New Year's broke all records for dullness—there was nothing doing, and the new year so far has been most uneventful. Still, cut flowers, with a few exceptions, are neither plentiful nor good, and prices in consequence are high for the grades of stock obtainable. Ordinary roses run from \$2 to \$10; it's a long scale, but double the number of grades; Beauties, \$3 to \$50; carnations, ordinary, 50 cents to \$1.25; specials, \$2 to \$5; hyacinths, \$1 to 2; valley ordinary, \$2 to \$3; special, \$4 to 5; smilax, \$10 to \$12; asparagus, \$40; narcissus, \$2; violets, ordinary, 50 cents to \$1; special, \$1.50; cyps, \$6 to 8; cattleyas, \$25 to \$50. Of course there are occasions when the above figures are lowered or raised—we aim to give a fair average. Every man's goods is better than the other until the street peddler sizes it up.

Notes.

All the trade here regrets the illness of Tierney, the old expressman; he has never been the same since he lost a considerable amount of money some time ago. Heavy and tormenting indeed must be the conscience of those responsible for this honest old man's condition.

Paul De Longpre has just concluded a very successful exhibition of his splendid pictures, "Roses de France," at Knoedler's galleries on Fifth avenue. It's a great pity florists in general have not the opportunity to see these pictures, as they illustrate many of the principles of floral art. Mr. De Longpre is most happy in his combination of color, his numerous roses can be identified at a glance. Nature speaks from every leaf and flower. He seems to delight with the old gems, such as Marechal Neil, Souv. de la Malmaison, La France, etc. Mr. De Longpre is probably the best living flower painter, and all should see his works.

IVERA.

BUFFALO.

Business has dropped off to its usual quiet state. New Year's, that was once such a busy time, is now little more than a good busy winter day, still it is not decreasing of late, for the business done this year was an advance on that of the past few years. Twenty-five years ago I remember our veteran, W. J. Palmer, who then could have said, "I am monarch of all I survey, my rights there is none to dispute," considered New Year's a greater business day than Christmas, but that was before the universal recognition of Christmas as a joyous day by all classes. At the latter date Jew and Gentile and all creeds of belief and unbelief suffer with an eruption of good feeling toward their fellow beings and the impulse is to make others happy, and New Year's has resolved itself into a time of much grosser tendencies when the individual assumes the more barbaric attribute of making himself rotund, red-nosed and jolly.

From many sections of the city comes the report that it was the largest holiday trade we have ever had. I include, of course, Christmas as well as New Year's and the intervening days which are always devoted to "society" doings. From the far south of our city near the banks of the classic Buffalo creek where the majestic Red Jacket once roasted his juicy woodchuck or chastised his rebellious squaws, there comes the tidings from Mr. Henry Buddenborg that business was all right. He says there was a much increased call for moderate sized plants and an excellent demand for flowers, but was compelled to keep prices down near the normal mark of the season. Mrs. Hinman, another Elk street florist, reports business beyond her expectations. Broadway—we have one and a broader one than Greater New York, even if you don't hear so much about it—is becoming quite a

flower center. There is Mrs. M. Klockow, Mrs. Emma Nussbaum, Miss Rose Reinhardt, Miss B. L. Kloko and the Broadway Flower Co., all doing well, and all say they were much pleased with the holiday trade. Our northwest territory is looked after by Mr. James Buxton, Mr. T. Frank, Mr. W. Newbegging and others, and a visit to them was pleasant because they said they had been very busy. Wm. Belsey, who is in the center of the west residential district, said his business far exceeded any previous year. Mr. Nasson, manager of Mrs. D. Newland's place, says, "Yes, Bill, we did first-rate." Mr. Louis Ludwig Neubeck, of the new firm of Neubeck & Myers, in his modest way, says, "We are too new in the business to judge of the holiday trade, but we are well satisfied," and the same report comes from the Main street stores. Aldermen and legislators taking their seats was the occasion of baskets and horseshoes being in demand.

The remarkable vicissitudes of our wretched winter climate, particularly for the last seven or eight weeks, are accountable for the great amount of sickness and death among our people of every walk of life and flowers for the inevitable have been in great demand. Just a word about the weather; occasionally we have a spring-like day sandwiched in, but the prevailing style is Labradorish or Greenlandish. While I penned these notes (January 7) there has been a horizontal snow storm driven into the pores of your skin as well as the large pores of your greenhouse by a sixty-five mile an hour gale of wind heated to a temperature a few degrees above zero. Flowers ought to maintain a good price for a long time, for it's hard work producing them. It's much more favorable for producing mushrooms under a bench than rosebuds on the top side.

My report of the trade would not be complete had I not called on our progressive commission man, W. F. Kastling, of Buffalo and Pittsburg. I found him reclining most easily in his ample Russian leather, double-padded, three-jointed easy chair, but busy dictating to his fair young stenographer. In answer to the usual question, "How were you pleased?" he answered in the classic and lady-like language of Mr. G. P. Rawson, which we are privileged to read in the Easter horticultural journals, brief bovine, but so expressive; he used the pretty little word "bully—I had nothing left and handled double the stock of any previous year. I disposed of six carloads of holly. There are few towns within three hundred miles I did not ship to, etc.," but this was said without any bragging. Having a bad cold, he would take a little syrup in his.

There is a rumor that friend C. F. Christenson will build and be in business again before long, "but not retail, oh, no, my dear child, I'm too old for that; it will be wholesale entirely." Mr. C. finds the indolent life of a retired capitalist grows weary. Break-

fast at eleven, lunch at one and dinner and its concomitants from 7 to 11:30 p. m., with several pair of fair and willing hands to answer his every wish, is not conducive, he thinks, to longevity or robust health. We shall be glad to see him in active harness again. I have had several inquiries of late for the postoffice address of G. Sebastian Pickleman, Esq., late secretary, president, treasurer and board of directors of the late cut flower exchange. I learn he has employment collecting orchids and alligators on the upper waters of the Orinoco. His mail can be addressed Ficus alley, Tapir square, Demerara, British Guiana. W. S.

BOSTON.

Review of the Market.

It looked during the past week as if the customary holiday reaction had surely taken place, and prices took quite a drop, thus giving the fakirs an opening, of which opportunity they took advantage, and helped to take care of the surplus stock, although on Saturday quite a quantity remained unsold, Scott carnations being very much in evidence, with no demand. Roses of the common varieties, such as Brides, Maids and Perles, run from \$4 to \$8 per 100; a few strictly choice will go better. Meteors average about \$8, with Beauties from \$4 per 100 to \$8 per dozen.

Carnations, such as Mrs. Fisher, McGowan, Scott, etc., ran from \$1.50 to \$2 per 100. First grade Daybreak, Eldorado, Hill and Mangold will bring \$3 per 100; Bradts worth \$1 per dozen; violets, 75 cents to \$1 per 100; lilies, \$1.50 per dozen; narcissus, trumpets, 75 cents; Paper whites, 25 and 35 cents per dozen; Romans, 25 cents; freesias, \$4 per 100; valley, \$4 per 100; mignonette, from \$4 to \$8 per 100.

The Weekly Show.

The Massachusetts Horticultural Society inaugurated its customary Saturday exhibitions for the season of 1899 with a fine display of primulas, both cut bloom and plants. Mrs. B. P. Cheney and the estate of John L. Gardner, both exhibited finely grown specimens of sinensis and stellata. Mr. Oakes Ames showed some cut bloom of a very rare orchid, a *Cattleya Choensis alba*, and a plant of *Cypripedium Mme. Georges*, a result of a cross between *Ciliolare* and *Stoneil*. W. N. Craig had a fine vase of *Cypripedium insigne* in sorts, as did also J. E. Rothwell. Mrs. E. M. Gill and W. N. Craig exhibited freesia, and James Comley a vase of seedling acacias.

News Items.

Begonia Lorraine proved to be the best selling plant at Christmas, with azaleas a close second, and Mr. W. W. Edgar of Waverly is to be congratulated on the excellence of his stock of both, he controlling the most of what came to Boston at the holidays.

The long-looked-for lecture by Mr. John Farquhar on "The Horticultural Modes and Methods, as Practiced by the Japanese," served to draw a large gathering at the monthly meeting of the Gardeners' and Florists' Club last Tuesday evening. Mr. Farquhar took some 500 different views while on his visit to Japan this last summer, and his lecture was profusely illustrated and thoroughly enjoyed by all.

The committee on gardens of the Horticultural Society has awarded first prize for house of chrysanthemums arranged with other plants to Jason S. Bailey; second to Mrs. B. P. Cheney. For the best house of chrysanthemums, first to E. M. Wood & Co., of Natick; second to Mrs. David Nevins of Framingham. For the best house of violets, to Mrs. David Nevins. For the best house of carnations, to William Nicholson of Framingham. For the best house of roses, to E. M. Wood & Co., of Natick.

P.

CHICAGO.

The Market.

Trade has held up very well since the holidays, though it has not been so satisfactory the latter part of the week as the earlier half, and there have been weak spots at times. Good roses are still scarce and on the best grades prices are stiff, but weakness develops whenever there is any quantity of the lower grades. Carnations are more plentiful than roses and prices are easier, except on the very fancy. Of violets there is quite a surplus and of Roman hyacinths there is a glut. Harrisii are selling well. White flowers are in general moving better than colored ones, indicating a good call for flowers for funeral work. The cold weather has kept flowers off of the streets and that outlet for a surplus has been closed for the time.

Club Meeting.

The last club meeting was a "smoker" and the smoke that arose from the array of cornob pipes was sufficient to insure absolute immunity from greenfly. There was a "smoking contest," and as a result, Mr. John Reardon carried home with him a cherry bowled pipe of huge dimensions with which he will have no difficulty in keeping his houses thoroughly fumigated.

President Sanders read a number of selections from his scrap book, mainly clippings from the daily press, containing weird descriptions of trade happenings, that were received with much merriment.

A vase of seedling carnations was shown by Mr. C. W. Johnson. There were six or eight varieties and among them were a pink, a white and a crimson that seem very promising. E. G. Hill & Co., Richmond, Ind., displayed a vase of their new scarlet

carnation America, which was much admired.

Various Items.

Mr. John Mangel has a very effective window display this week, mainly of fancy carnations and cattleyas with a big plant of Asparagus Sprengeri in the corner.

Kennicott Bros. Co. say they want the growers of the cuttings to get the full benefit of their advertising of the Evanston carnation.

Bassett & Washburn consider Mary Wood their best white carnation, and blooms seen at their store justify their verdict. The blooms are as big as those of Bradt, with fine strong stems and a split calyx is never seen. It needs a strong soil, though, and would not do well in a sandy soil.

At a recent banquet of the Commercial Club at the Auditorium the decoration, arranged by Mr. P. J. Hauswirth, simulated a winter scene. There were 80 covers, the tables set in the form of a square, the diners being seated at the outer edge of the square only. The center square was transformed into a winter landscape by the use of various sizes of Christmas trees, with shreds of cotton to represent snow on the branches. About every eight feet a holly wreath was attached to the table cloth on the side facing the square and these were connected with festoons of holly. Over the central square was suspended an artificial ceiling of solid holly. Heavy pillars around the hall were decorated with wreaths formed of two cycas leaves tied with sprays of holly and red ribbon. Holly was scattered over the table cloth, the only flowers used being red carnations for the boutonnières.

Kalous Bros. have closed their store on Twenty-second street and will now do all their business from the green-houses.

Vaughan, McKellar & Winterson are showing a fine lot of cattleyas now, and they sell well.

Mr. A. C. Kohlbrand's wife is in a dangerous condition as the result of a recent operation.

The annual meeting of the Horticultural Society of Chicago will be held next Saturday at the Sherman House at 2:30 p. m. The executive committee held a meeting last Tuesday afternoon, at which action was taken on the final details of the last exhibition.

The sheriff took possession last week of the property of J. C. F. Meyer, the florist in Dunning street, on an execution on a judgment for \$3,198 in favor of Lena Meyer, a sister. The claim was for money advanced.

Bowling.

The club smoker lasted till such a late hour last Friday evening that there was time for only one game of ten pins afterward. The interest in this was very warm, however, as Ed. Winterson had brought with him a box purporting to contain a prize

sent by the St. Louis Florists' Bowling Club to be awarded to the one making the highest score on this evening, box to be opened only by the winner. The prize was duly won by Mr. P. J. Hauswirth and on opening the box it was found to contain a fine large medal of solid metal, the whole weighing about 7 lbs. and 17 ounces. Mr. Hauswirth attached the trophy to his clothes amidst the shouts of the spectators, and if his clothes and his strength hold he will recover all right.

Following are the scores:

P. J. Hauswirth.....	162
John Degnan.....	144
Ed Winterson.....	143
G. L. Grant.....	132
C. Balluff.....	122
James Hartshorne.....	114
A. Henderson.....	114
C. W. McKellar.....	111
W. Kreitling.....	110
H. C. Rowe.....	103
A. Lange.....	98

After the game a business meeting was held at which it was decided to play the match games on each Friday evening upon which a Florists' Club meeting is not held. And the executive committee was authorized to arrange for new alleys.

ST. LOUIS.

The Market.

A few complaints are still heard of dull business, while some report trade as satisfactory. The commission men claim that outside sales seem better than city trade and since New Year's the complaint has been general. Some of the West End florists have a fair amount of decorating to do, and there is about the usual activity in funeral work.

Receipts of flowers of all kinds have been plentiful, and about the only scarcity the past week was white roses. On Friday not a white rose could be had at any of the commission houses after 10 a. m., while colored stuff went begging.

Prices have fallen a little. Though stock is plentiful, there is no glut of anything except violets; a great many of them are dumped. Roses range all the way from \$3 to \$8; Brides, Meteors and Bridesmaids, first quality, bring \$7 and \$8; these varieties are in good demand; Perles, \$4 and \$6; Beauties, first quality, \$6 per dozen; demand good. Carnations are also plentiful, except white, still the price is up to \$3 and \$4 for ordinary and as high as \$5 for extra fancy. No white went to waste the past week, as the demand was fine. Bulb stock is coming in more plentiful and sells well. Romans, the best, the price is \$4, and \$3 for seconds; Paper Whites the same; valley scarce at \$4 and \$5; no freesia in this market yet; Harrisii stand \$12.50 to \$15; callas, \$10 and \$12. Violets are a drug on the market and sell slow. So far this season the supply in our market was never better. Price on California is kept at \$1; doubles, 75 cents; small singles, 25 cents; home grown and Southern, 15 cents. Smilax is

more plentiful now and demand fairly good at \$12.50.

Club Notes.

The committee on entertainment will report at the next meeting of the club. The different halls in the West and South ends are being looked over and the one offering the best inducements will be selected. Mr. F. C. Weber, who is chairman, will call a meeting some time this week and make all the arrangements for our entertainment.

Arrangements were completed this morning (Tuesday) that the Florist Club entertainment will be given at Concordia Club Hall, 1423 Chouteau avenue, Friday night, January 20, 1899. It will be a floral euchre party. Euchre will be played from 8 until 11 p. m., after which dancing until 2 a. m. Every club member will donate something. Tickets will be 50 cents a person. Chairman Weber says no free tickets go. Every florist will have tickets to sell and all are expected to attend as everybody will have a good time.

Bowling.

The Bowling Club rolled four games Monday night with some of the old faces in attendance. Some of the scores show up well, while others are below their usual average.

	1st.	2d.	3d.	4th	Tl.	Av.
D. Finlayson.....	165	188	161	180	694	173½
Carl Beyer.....	196	172	144	171	682	170½
R. F. Tesson.....	155	...	...	...	155	155
John Young.....	114	132	186	...	432	144
John Kunz.....	145	129	181	125	580	145
C. A. Kuehn.....	115	150	170	125	360	140
C. C. Sanders.....	123	135	152	...	410	137
J. J. Beneke.....	104	167	134	141	546	137
F. C. Weber.....	108	93	162	167	530	133
F. J. Fillmore.....	184	144	112	125	525	131

J. J. B.

DETROIT.

Owing to the fact that your scribe was out of town last week The Review had no report of Xmas trade, but can only say that every one had all the business they could attend to.

At the last meeting of the club a very interesting paper on greenhouse heating was read by Prof. Coryell, which was full of information and points to benefit the amateur. The club, by a unanimous vote, decided to invite The Am. Carnation Society to hold its meeting in Detroit in 1900 and appointed G. A. Rackham a representative to go to Philadelphia to extend an invitation to the society at its meeting in February. The various committees for the entertainment of the S. A. F. are getting down to work, believing it best to take time by the forelock. G. A. Rackham was appointed superintendent of space, subject to approval of the executive committee. The bowlers are getting into good shape and will put up a hard fight for that cup.

SCORES.

Dunn.....	124	137	140
Ferguson.....	147	140	139
Harry.....	114	139	151
Watson.....	123	129	170
Beard.....	126	148	142
Holznaple.....	154	156	172

RAG.

GREEN-HOUSE CONSTRUCTION.

This has been a specialty with us for many years and to us is due the credit for many of the great improvements that have been made in the construction of wooden green-houses. To those that buy our

Clear Cypress Building Material

we furnish, free of cost, complete detail drawings from which any intelligent workman can put up the material correctly. We have plenty of time to write letters ABOUT OUR BUSINESS, and we will be glad to hear from those contemplating building.

Write for Circulars
or Estimates.

LOCKLAND LUMBER Co.

LOCKLAND, OHIO.

Mention The Review when you write.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

WANTED—A well experienced young lady for large florist establishment, must speak the German language. Apply to H. & R. Hilmers, 3907 Cottage Grove Ave., Chicago.

SITUATION WANTED—By an experienced rose grower, age 30, single; \$30 per month, with board. Address G., care of Florists' Review.

WANTED—Assistant with reference, in roses and carnations. Send copy of reference. Wages \$9.00 a week to start. J. A. Peterson, 105 E. Fourth Street, Cincinnati, Ohio.

NOTICE—As I am about closing up my down town store, would be pleased to recommend the young man who has had charge to any one in need of a good man. He is thoroughly competent in all branches of floral art. His experience has been with first class florists in New York and Pittsburgh. Address E. J. Paddock, 1317 Euclid Avenue, Cleveland, O.

FOR SALE—Modern style florists' ice box. Address J. J. McManmon, 6 Prescott St., Lowell, Mass.

WANTED—Young man as assistant in store and greenhouses. Address H. F. Halle 548 West Madison Street, Chicago.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

FOR RENT OR SALE—First class retail stand. 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

SEE HERE!! You can make 25 per cent. net if you buy four acres irrigated garden land in thriving village. Large, new greenhouses. Selling reasons: rheumatism and lung trouble. Address Geo. Comings, Penn Yan, N. Y.

SITUATION WANTED—By good rose and carnation grower. Best references. X. C., care of Florists' Review.

WANTED—A Hot Water Heater to heat 200 or 300 feet four-inch pipe. Will be pleased to have price on same. L. E. Hitz, Madison, Ind.

WANTED—A handy young man of good character and some experience in greenhouses and nursery, especially of the latter. Write, stating wages expected. Christ. Winterich, Defiance, Ohio.

SITUATION WANTED—By all around experienced florist; roses and carnations a specialty. Chicago preferred. Address Practical, care of Florists' Review.

SITUATION WANTED—Young married man, age 26 years, with 10 years' experience in growing palms, ferns and pot plants, desires position with good, responsible firm. Best of references furnished. Address K. L., care of Florists' Review.

E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention Florists' Review when you write.

FOR RENT—Cheap, 15,000 feet of glass in Chicago, houses nearly new, well stocked with carnations and pot plants, good retail trade. Party must buy stock. Address M. F., care of Florists' Review.

WANTED—By an up-to-date florist and decorator, situation in a first class store in large city, can furnish the best of references. Address Artist, care of Florists' Review.

WANTED.

Two or three men used to propagating roses and carnations.

BASSETT & WASHBURN,
Hinsdale, Ill.

FOR SALE.

A greenhouse property that has netted clear of all expenses twenty-five per cent on price asked, and can be made to double that. No opposition and only 20 miles from one of the best cut flower markets in the United States. Don't miss this opportunity, and send for description.

Address "A. B." care Florists' Review.

Last Chance for.....
Asparagus Sprengeri,
3-in. pots, \$5.00 per 100; 4-in. pots, \$8.00 per 100.
Cash with order.

Astonishingly Low Prices on Carnations. R. C. of Eldorado, Cartledge, Scott, McGowan.
Violets, 2-in. Campbell, Swanley, California.
Dormant Blue and Red Spirea and English Ivy. Weeping Lantana, Blue Spirea, Little Gem Calla from pots, Gladiolus Bulbs. Write at once for prices.

RONEY BROS., Florists, West Grove, Pa.
Mention The Review when you write.



51 Wabash Ave. CHICAGO.

W. S. HEFFRON, Mgr.

Price List taking effect Thursday, Jan. 12.

ROSES.

Am. Beauties, long, per doz.....	\$5.00—	\$8.00
" medium, per doz.....	2.00—	4.00
" short, "	1.00—	1.50
Meteors, Maids, Brides and Kaiserin, per 100,	6.00—	8.00
Perles.....	3.00—	5.00
Roses, seconds, average.....	4.00—	

CARNATIONS

Are Our Specialty. Per 100

Fancy varieties, fancily grown.....	\$3.00—
Ordinary varieties, fancily grown.....	2.00—
Ordinary varieties, average stock.....	1.00— 1.50

Miscellaneous.

Alyssum.....	per 100, \$.50
Marguerites.....	" .75—
Callas.....	per doz., 1.50—
Harrisii.....	" 2.00—
Romans.....	per 100, 2.00—
Narcissus.....	" 3.00—
Valley.....	" 3.00— 4.00
Violets.....	" .75— 1.00

Decorative.

ASPARAGUS.

Per string.....	\$.50
-----------------	--------

FERNS.

Per 100, 20c.....	per 1,000, \$1.50
Original cases, 4,000 to 8,000.....	1.25
Maiden Hair.....	per 100, \$1.00—

GALAX.

Bronze and Green, per 100, 15c.....	per 1,000, \$1.00
Original cases, 10,000.....	.75

SMILAX.

Common, very fine.....	per doz., \$1.50
Wild, Parlor Brand case.....	3.75
" Medium case.....	5.50
" Large case.....	8.00

All other flowers in season at lowest market rates.

Above quotations are subject to change without notice. P. and D. at cost.

Extra select and inferior qualities charged for according to value.

Store open from 7:00 A. M., until 6:30 P. M. Sundays and Holidays closed at noon.

Mention The Review when you write.

X-X SEEDS! X-X

MAMMOTH VERBENA. The finest grown. Pkt. 500 seeds, 50c. Mixed colors.

CYCLAMEN GIGANTEUM. The choicest of Giants. Pkt. 200 seeds, \$1.00; ½-pkt., 50c.

CHINESE PRIMROSE. Finest single and double, mixed, 400 seeds, \$1.00.

Seeds of Choice Novelties added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

Mention The Review when you write.

CARNATIONS.

H. WEBER & SONS, - OAKLAND, MD.

Mention The Review when you write.

CLEVELAND.

The Market.

Cut flowers are scarce. Roses bring from \$5 to \$8; cullings, \$4; carnations, \$1.50 to \$2.50; Romans and narcissus, \$3; violets, retail, English, \$2; California, \$1.50 per 100; Harrisii, \$3 per dozen; cattleyas, 75 cents to \$1 each; cyps, \$3.50 to \$4 per dozen. There has been considerable funeral work the past week.

Business Changes.

Mr. Chas. Erhardt has closed his store and is going on the road for a Philadelphia house. Mr. Paddock has closed his Erie street store and opened in the East End on Euclid avenue.

Two Stories.

The crape chaser encountered a West Side florist to his sorrow the other day. A friend of the latter died and he had received an order for three pieces from the family of the deceased. The chaser came to the house shortly, hung a door wreath on the door, sympathized with the family and asked for the floral work; he being a singer, also offered his services at requiem mass, if given the floral order. Being informed that the order was placed and ascertaining the amount charged, he informed them that they were being robbed, and offered to make the same pieces for \$10 less. Mr. West Side found him shortly after and with his hand on his trachea shut off the surplus wind, allowing him sufficient to keep his mind from wandering, and gave him a lecture in C sharp. The singer did not sing that day.

A good story was told to a Euclid avenue florist the other day by a customer of a New York florist. A customer sent the office boy to the flower store with two cards. On the one was his name, and on the other (to the florist) was "Do the best you can for \$2.00." By mistake, he sent the wrong card to the fellow's best girl. There was a hot time, 'tis said.

O. A. C. O.

HAMILTON, ONT.

Christmas trade here was fully 25 per cent better than last year. A decided call for plants, azaleas taking the lead at from \$2 to \$3, while palms, ferns, fern pans, etc., sold well at good prices.

Cut flowers also sold well, roses from \$2.50 to \$3 per dozen; carnations from \$1 to \$1.50 per dozen; violets \$1 per bunch of 25; valley, \$1 per dozen; Romans, 50 cents per dozen, while holly and Xmas greens cleaned up pretty well. The weather was all that could be desired. Taking it altogether it was the best Xmas in many years.

F. G. FOSTER.

NASHVILLE, TENN.—Geny Bros. have opened a down-town store under the Tulane hotel.

REINBERG BROS.

600,000
FEET
OF
GLASS.Wholesale
Growers of

Cut Flowers

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.

51 Wabash Ave., CHICAGO

Mention The Review when you write.

S. B. WINTER,

L. P. KELLY, Manager.

Telephone Main 4508.

Consignment Solicited.
Quick Sales and Prompt Returns.
Special attention given to out of town orders.

Wholesale Commission Florist

19 & 21 Randolph St., Chicago, Ill.

And Dealer in FLORISTS' SUPPLIES.

Mention The Review when you write.

Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of
and Dealers in CUT FLOWERS

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.



Our prices are as low as any
and our stock superior.
We ask for a trial order.

Mention The Review when you write.

A. L. **R**ANDALL
Telephone 1496 Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better
prepared than ever to handle your orders.
Mention The Review when you write.

WHOLESALE DEALER IN
GROWER OF ROSES. CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.

Mention The Review when you write.

Wholesale Price List.

AMERICAN BEAUTY		
Extra long stem... per doz.	\$6.00	
24-inch stem.....	4.00 to \$5.00	
20 ".....	3.00	
15 ".....	2.00	
12 ".....	1.50	
8 ".....	1.00	
METEOR..... per 100,	6.00 to \$8.00	
BRIDESMAID.....	6.00 to 8.00	
BRIDE.....	6.00 to 8.00	
PERLE.....	5.00 to 6.00	
CARNATIONS.....	2.00	
" fancy.....	3.00	
Roman Hyacinths....	2.00 to 3.00	

Quotations subject to change without notice.
All other stock at lowest market prices.
No charge for packing.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral
Designs. A full line of supplies always on
hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.

Mention Florists' Review when you write.



ST. LOUIS
Cut Flower Co.
Wholesale Florists,
1322 Pine St.,
ST. LOUIS, MO.

Mention The Review when you write.

ELLISON & TESSON,

WHOLESALE SHIPPING

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

...Home Grown Stock...

Mention The Review when you write.

C. W. WORS,

2740 Olive Street, - - ST. LOUIS, MO.

Flowers at Wholesale

ROSES, and a full line.

Headquarters for the Southwest.

Mention The Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES,

88 Wabash Avenue, ^{Rooms 22 and 23.} Long Distance Telephone ^{Express 486.} CHICAGO, ILL.

CHOICE FLOWERS AT LOWEST MARKET RATES.

New Carnation Evanston.

A Scarlet
Tidal Wave.

We offer Rooted Cuttings of this fine NEW SCARLET CARNATION, which is, in our opinion, the best scarlet carnation in existence. After a three years' trial it stands at the head as a money-making commercial sort, the blooms of extra quality and produced with great freedom throughout the whole season. The color is a clear, brilliant scarlet, the growth strong, clean and robust. No scarlet carnation will give more satisfaction or better returns than EVANSTON.

Rooted Cuttings, \$7.00 per 100, \$60.00 per 1,000. 500 at the thousand rate. Orders booked now.

These cuttings are being grown by and may be obtained from
M. Weiland, Evanston, Ill.; John Weiland, Evanston, Ill., and John Didier, Rogers Park, Ill.

Mention Florists' Review when you write.

F. F. BENTHEY, MANAGER.

BENTHEY & CO.,

Wholesale and Commission
FLORISTS,

41 Randolph Street, CHICAGO.

Consignments solicited.

Mention Florists' Review when you write.

HOLTON & HUNKEL CO.

Wholesale Florists
And Florists' Supplies.

Phone 574. WIRE DESIGNS—OUR OWN MAKE

457 Milwaukee St.

P. O. Box, 103. Milwaukee, Wis.

Mention The Review when you write.

Cincinnati Cut Flower Co.

416 Walnut St. Wholesale Florists
CINCINNATI, O.

W. A. MANN.
FRANK W. BALL.

Consignments Solicited.
Special Attention Given to Shipping Orders.

Mention Florists' Review when you write.



WHOLESALE FLORIST,
11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.

Mention The Review when you write.

Maplewood Cut Flower and Plant Co.

GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We
have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.

Greenhouses; Pleasant Hill, Mo.

Mention The Review when you write.

Palms and Ferns...

WE HAVE A LARGE STOCK IN FINE CONDITION.
We guarantee safe arrival if shipped by Express.

CORRESPONDENCE SOLICITED.

Ellis & Pollworth, - Milwaukee, Wis.

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ORCHIDS....

CATTLEYA FLOWERS of finest
quality always on hand. Orders from unknown
parties must be accompanied by cash. Orders
taken now for Cattleya Labiata Plants, spring
delivery.

Lager & Hurrell, Growers and
Importers.... Summit, N. J.

Mention Florists' Review when you write.

PANSIES WORTH RAISING

Good Small Plants from cold frames
or greenhouse only, at \$4.00 per 1000. All
others not accessible at present. Cash with
order. SEED as usual.

C. SOLTAU & CO., 199 Grant Ave.,
Jersey City, N. J.

Mention The Review when you write.

Palms, Ferns and House Plants:

AND HOW TO TREAT THEM.

A New 16-page Envelope Size Catalogue to be
given to customers.

It will gain business for you. SAMPLE FREE.

Dan'l B. Long, Publisher, Buffalo.

Mention Florists' Review when you write.

Mention The Florists' Review when
writing advertisers.

ANTON SCHULTHEIS, P. O. Box
78...
College Point, Queens Borough, N. Y.

HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity

Come, see Ericas (Heather), also Full
and con- Line of Other Flowering Plants
vince yourself. Price List on Application.

Mention Florists' Review when you write.

NEPHROLEPIS Fine, Strong,
CORDATA 3½ inch plants,
COMPACTA. 4-inch plants,
Cash with order. \$7.50 per 100.
\$15.00 per 100.

H. HILMERS,

Box 650. BLUE ISLAND, ILL.

Mention The Review when you write.

GERANIUMS Grand bedders
Acteon, Bruantii,
Heteranthe, La
France, L. Kel-

way, Theocrite, Cts. de Castries and a host of
other double and single. Rooted Cuttings, \$1.40
per 100; \$10.00 per 1000. Replanted extra strong,
\$13.50 per 1000. COLEUS. Red Verschf. and G.
Bedder, by mail, 75c per 100. 25 Select Fancy, 85c
per 100. Full list of stock ready. Cash with order.

DANIEL K. HERR, - Lancaster, Pa.

Mention The Review when you write.

Always mention the Florists' Review when
writing advertisers.

GRAND RAPIDS.

Trade Review.

Between Xmas and New Year's was a busy time for the florists, as balls, parties and other functions were all around us. Shipping trade continues steady, and add to that a broad streak of funeral work for a final cleaning up of any stock left on hand as not being good enough to send out by the dozen, and you have a good picture of the satisfactory holiday trade done. All agree that New Year's trade was much better than last year. The weather has been changeable, but except two days of a wild blizzard, has been fine winter weather. Prices have dropped to their normal level. Carnations, 25 cents; fancy, 35 cents; roses, 75 cents to \$1; American Beauties, \$2 to \$3; violets, 15 to 20 cents; valley and Romans, 50 cents; Paper Whites, 75 cents per dozen. Quality is especially fine for this season of the year, and except white carnations, everything plentiful.

Notes.

There is some sharp criticism heard with reference to the action of the Common Council in granting the request of the Elks, to borrow plants from the city greenhouses for an annual celebration; this strikes Henry Smith pretty hard, as he is accustomed to do their decorating. It is argued that if one fraternal organization is entitled to borrow a palm decoration from the city, every other organization should be entitled to the same privilege, and where would it end? It is possible that some action in the matter may be taken at the next regular meeting of the club, and a resolution sent to the council protesting against a continuance of the practice.

Florist Club.

The Florists held their annual meeting Tuesday evening at the Eagle hotel, and elected the following officers for 1899: President, N. B. Stover; vice president, William Cunningham; secretary, Henry Smith; treasurer, Henry Van Velden; club reporter, Charles Chadwick.

The annual banquet will be held at the Eagle hotel January 17, and the Florists given an opportunity to give vent to their pent-up enthusiasm over a glorious holiday trade that makes their pockets jingle, with a gastro-nomic feast and genial flow of soul. A committee of arrangements was appointed. The committee on the importation of glass, George F. Crabb, was instructed to have the glass agent come to the city and attend the next regular meeting, the first Tuesday in February, but at his own expense.

The effort to establish a bowling club is abandoned, as the florists are too busy to give the game proper attention.

Henry Smith and George F. Crabb are the only members so far who have signified their intention of going to

REGULAR SHIPPING ORDERS RECEIVE
SPECIAL ATTENTION.



WHOLESALE GROWERS OF Cut Flowers

We Are Headquarters for...

AMERICAN BEAUTIES,

of which we cut from 2,000 to 3,000 daily. Our Brides, Meteors, Maids and Perles were never better.

OF CARNATIONS


we grow 50,000 plants of all the leading varieties, and they cannot be surpassed.

Wholesale Price List.

Am. Beauty, extra long stem, per doz.	\$8.00
" 24-in. stem	4.00-5.00
" 20-in. "	3.00
" 15-in. "	2.00
" 12-in. "	1.50
" 8-in. "	1.00
Meteor per 100,	\$8.00 to 8.00
Bridesmaid.....	6.00 to 8.00
Bride	6.00 to 8.00
Perle	5.00 to 6.00
Carnations	2.00
" fancy	3.00

All other stock at lowest market prices.
No charge for packing.

Mention The Review when you write.



New
Free-Flowering
Dwarf
Chrysanthemum

**"Little
Chris"**

Plants from 3-in. pots,
35 cts. each, 3 for \$1.00;
4-in., 50 cts. each, \$5.00
a dozen.

**W. T. Bell &
Sons,
Franklin, Pa.**

FREE FLOWERING
CHRYSANTHEMUM
LITTLE CHRIS.

Mention Florists' Review when you write.

100,000 VERBENAS, THE CHOICEST VARIETIES IN CULTIVATION....

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

{ No Rust or Mildew.
Packed Light and
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention The Review when you write.

the Philadelphia carnation meeting and look out for the exhibits for the home carnation meeting, to be held about the first of March at the Eagle hotel; it is thought preferable to hold the meeting at the hotel, as affording more commodious quarters there than at private houses. William Rhueland was admitted to membership.

GEO. F. CRABB.

Buy from the

Advertisers in the...
Florists' Review

(always mentioning the paper) and thus increase the earning power of your Certificate.

Vaughan, McKellar & Winterson

NEW CARNATION EVANSTON.

We are offering Rooted Cuttings of this Grand New Scarlet Carnation, the merits of which can not be doubted, as it is receiving the hearty endorsement from both the Growers and Wholesalers. We have handled the cut of Mr. J. Weiland for past two years, of this as well as other varieties, and have found it always a ready seller and one that was appreciated by buyers in preference to any other scarlet on the market.

CUT FLOWERS.

ROSES.

Am. Beauties, select....per doz.	\$4.00 to \$6.00
Am. Beauties, medium.. "	2.00 to 3.00
Am. Beauties, short "	1.00 to 2.00
Brides, Maids, Meteor...per 100,	3.00 to 7.00
Kaiserin, La France.... "	3.00 to 7.00
Perle	3.00 to 5.00
Roses, our selection.... "	3.00 to 4.00

CARNATIONS.

Fancy Stock.....per 100,	\$2.00 to \$3.00
Ordinary Stock..... "	1.00 to 1.50

MISCELLANEOUS STOCK.

Violets.....per 100,	.75 to 1.00
Valley..... "	4.00 to 5.00
Narcissus	3.00 to 4.00
Romans	2.00 to 4.00
Callas	15.00 to 20.00
Harrisii	15.00 to 20.00
Bouvardia..... "	1.00 to 2.00

Above prices subject to change without notice.

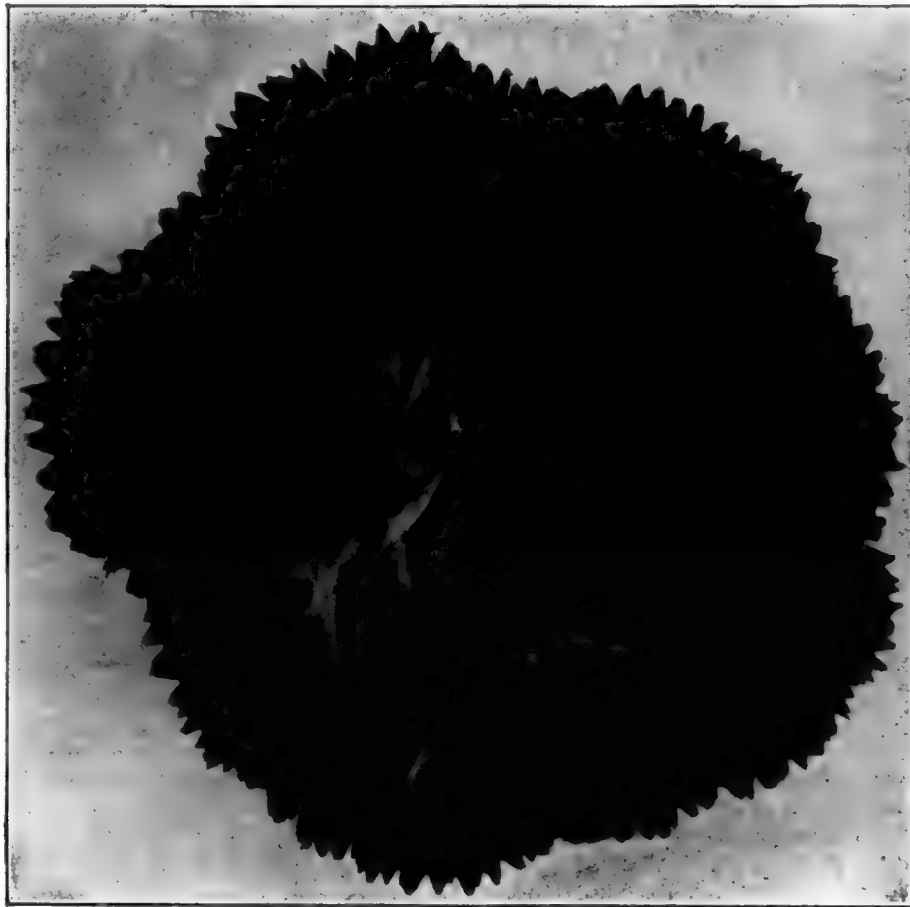
Decorative Stock.

Wild Smilax, parlor brand	\$3.75
" medium case.....	5.50
" large case.....	8.00
Asparagus Plumosus...per doz...	\$6.00 to 8.00
" string .....	.50 to 1.00
Smilax	per doz., 1.50 to 2.00
Adiantum Ferns.....per 100,	.75 to 1.00
Common	per 100, .15
"	per 1,000, 1.50
Galax Leaves.....	1.00
Farleyense Fronds.....per doz.,	1.00

We carry a good stock of above always on hand and can fill orders promptly.

**Vaughan, McKellar
& Winterson,**

**45--47--49 Wabash Avenue,
CHICAGO.**



The following testimonial from one of our LEADING GROWERS should have a great deal of bearing with growers of Carnations:

Mr. JOHN WEILAND, Evanston, Ill. Dear Sir:—In reference to the new Carnation "Evanston," which is being introduced this season, would state that I have grown a bench of this variety for the past year and have been better impressed with it than with any new carnation that has as yet been introduced, for scarlet, and intend the coming season to grow this variety for our leading scarlet, as in my estimation this variety will fill a long felt want in the market; namely, a good scarlet carnation, with good, thrifty habits and a strong producer. The "Evanston" is one that will surely fill these wants, and is one that will find ready sale wherever introduced. I consider it superior in all respects to any of the other twenty leading varieties which I now grow. I heartily endorse it to all carnation growers as a sure money-maker. Yours very truly, PETER REINBERG.

Give us your order now. Rooted Cuttings, \$7.00 per 100, \$60.00 per 1000
500 at the thousand rate.

Mention The Review when you write.

REED & KELLER,

122 W. 25th St., NEW YORK CITY.

Manufacturers of **WIRE & DESIGNS**
and Dealers in

FLORISTS' & SUPPLIES

Mention Florists' Review when you write.

Brilliant Green and Bronze

Galax Leaves

CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.

Mention The Review when you write.

M. RICE & CO.

NEW ILLUSTRATED CATALOGUE
FOR THE ASKING.

Exclusive Importers and
Manufacturers of

Florists' Supplies

25 N. Fourth Street, PHILADELPHIA, PA.

Mention The Review when you write.

F. & F. NURSERIES, SPRINGFIELD, NEW JERSEY

Wholesale Growers TREES and PLANTS in Full Assortment. ...TRADE CATALOGUE FREE.

Mention The Review when you write.

SAMUEL S. PENNOCK, WHOLESALE FLORIST

OPEN DAY AND NIGHT—From 12 A. M., Mondays to 10 P. M., Saturdays.

A constant supply of SELECT VALLEY the year round.
AMERICAN BEAUTIES OUR SPECIALTY.

1612-14-16-18 Ludlow St., Philadelphia, Pa.

Mention Florists' Review when you write.

WESTERN PENNA. HEADQUARTERS FOR EXTRA FANCY STOCK.

PITTSBURG CUT FLOWER CO., Ltd.

705 Penn Avenue, PITTSBURG, PA.

Long Distance
Phone 2157.

Wholesale Florists.

Write for Price List.
Consignments
Solicited.

Mention The Review when you write.

BERLIN, ONT.

The holiday season in this lively little town was pretty brisk, but this being a first experience I cannot compare it with former years. Much more could have been sold no doubt if prices of cut flowers had not ranged so high, but I do believe that the people did their little best. In these country towns, however lively they may be, there are very few people who will pay over \$1.50 a doz. for roses or 60 cents for carnations, and one has to handle a lot of stock to make much money when the wholesalers charge \$10 and \$4 for No. 2. One customer inquired through the 'phone the price of American Beauties, and after giving her the reply a dull thud was heard as if she had fallen on the floor in a dead faint. Finally she so far recovered as to be able to call up again and order three Meteors at 15 cents. Another, on being told that roses were \$1.50 a dozen, took a D. Perle azalea at \$1.25, and was convinced that she had more for her money than if she had taken roses.

The sale of plants will undoubtedly increase largely at this time unless the price of cut stuff comes down. I am not finding fault with the wholesale men; it is a case of supply and demand, and we should all do the same thing in their shoes. I simply state the facts of the matter.

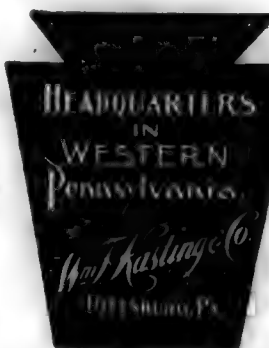
Another florist has just started in Berlin; it is a boy, the son of Harry McNaughton, foreman at Rosehurst conservatories. He started about 5 a. m. on the 6th inst.

PITTSBURG, PA.—Mr. A. F. J. Baur, formerly of Erie, Pa., has taken charge of Mr. Chas. T. Sieberts' place.

HARTFORD, CONN.—Fire did about \$1,000 damage to the green-houses of John Coombs January 3. The fire started from a lighted pipe a careless workman left in his coat when he went to dinner.

ROSES,
Carnations,
VALLEY,
FERNS,
GALAX and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

Consign-
ments of
good stock
solicited.



We get
daily new
customers
because
we have
the
reputation
that
all orders
are
punctually
filled.

Long
Distance
Telephone
2985.

WHOLESALE FLORISTS, 444 Sixth Ave.

All kinds of FLORISTS' SUPPLIES and
WIRE DESIGNS always on hand.

Mention Florists' Review when you write.

KELSEY'S SOUTHERN Galax Leaves

Brilliant Green and Bronze.

Information of the Introducer,

HARLAN P. KELSEY,

Prop. Highlands Nur- 1106 Tremont Bldg.,
sery in North Carolina. BOSTON, MASS.

Mention The Review when you write.

Cut Flower Exchange,

404 - 412 East 34th St., New York,
NEAR THE FERRY.

Open Every Morning at 6 o'clock for the sale of
CUT FLOWERS.

Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

Mention The Review when you write.

E. G. Hill & Co.

Wholesale
Florists,

RICHMOND, - INDIANA.

Mention The Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

GIVE US
A
TRIAL.
WE CAN
PLEASE
YOU.

Roses,
Carnations
and all
kinds of
Seasonable
Flowers
in stock.



WM. F. KASTING, Wholesale Com-
mission Florist,
495 Washington St., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire
Designs.

Mention Florists' Review when you write.

WM. J. BAKER, WHOLESALE CUT FLOWERS, 1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

Mention The Review when you write.

WM. C. SMITH Wholesale Florist, 1604 Ludlow St. PHILADELPHIA.

LONG DISTANCE PHONE.

Consignments of Choice Stock Solicited.

Our central location enables us to fill out-of-town or-
ders at short notice.

Mention Florists' Review when you write.

EDWARD REID, Wholesale Florist,

LONG
DISTANCE
PHONE.

1526 Ransstead St., PHILADELPHIA, PA.

Mention The Review when you write.

Chrysanthemum Stock Plants.

FIFTY-THREE COMMERCIAL VARIETIES.

Send for price list.

American Rose Co., Washington, D. C.
Mention Florists' Review when you write.

Rose Hill Nurseries.

Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

Largest stock in America.

SIEBRECHT & SON,

New Rochelle, N. Y.

Mention Florists' Review when you write.

Bassett & Washburn's

ROOTED CUTTINGS OF

ROSES AND CARNATIONS

Are as Good as can be Grown and Free from Any Disease.

We shall Have a nice lot of PLANTS later.
Place your orders early if you wish the best.

We Guarantee what we say.
Orders filled in rotation.

BASSETT & WASHBURN,

Greenhouses and Residence,
HINSDALE, ILL.

Long Distance 'Phone No. 10.

Store, 88 Wabash Avenue,
CHICAGO, ILL.

Long Distance 'Phone Main 223.

Mention The Review when you write.

CHEAP

A remarkably fine lot of **Argentia Guttata Begonias**, from 3½-inch pots, in splendid shape for immediate sales. They are now ready for a 5-in. shift. Price, **\$3.00** per 100.

Also the following:

Rex Begonia, from 3½-in. pots, magnificent plants, **\$4.00** per 100.
Abutilon, red, yellow and white, from 2-in. pots, **\$2.00** per 100. Cash please.

Edward B. Jackson, Stamford, Conn.

Mention The Review when you write.

H.W. BUCKBEE

Seed Specialist,

Rockford Seed Farms.

Forest City Greenhouses.

Lock Box 911.

ROCKFORD, ILL.

Special Prices Upon Application.

Mention The Review when you write.

THE HARRISH DISEASE can be prevented by immersing the bulbs for 5 hours in a half solution of

Kraft's Plant Tonic

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills **Hard Shelled Scale, Mealy Bug**, and other insect pests without injury to the plant. Send for circular.

KRAFT PLANT TONIC CO. Rockford, Ill.
Mention The Review when you write.

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By WILLIAM SCOTT.

IT WILL TELL YOU just what you want to know in just the way you want to be told.

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order now.

Price, **\$5.00**

Florists' Publishing Company,
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	100	1000
Meteor	\$1.50	\$12.50
Bridesmaid	1.50	12.50
Bride	1.50	12.50
Perle	2.00	17.50
Kaiserin	2.00	17.50

CARNATIONS.

PINK.

	100	1000
Triumph	\$1.50	\$12.50
Wm. Scott	1.00	7.50
Painted Lady	4.00	35.00
Daybreak	1.50	12.50
Argyle	4.00	35.00
Mrs. Frances Joost	5.00	50.00
McBurney	1.50	12.50

RED.

Dazzle	4.00	35.00
Jubilee	2.00	17.50
Portia	1.00	7.50
Bon Ton	4.00	35.00

MAROON.

Empress	4.00	35.00
---------------	------	-------

WHITE.

Flora Hill	1.50	12.50
Mary Wood	5.00	40.00

The largest and best White Carnation that is grown. Has a strong stiff stem and a constant bloomer. Sell in the market to-day for nearly double any other White Carnation we handle.

Evelina	4.00	35.00
White Cloud	4.00	35.00

VARIEGATED—White and Red.

Mrs. Geo. Bradt	5.00	40.00
Psyche	4.00	35.00
Armazindy	2.00	17.50

YELLOW.

Mayor Pingree	2.00	17.50
Gold Nugget	6.00	50.00

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RICHMOND, IND.

Christmas trade the best in years, fully 50 per cent ahead of last. Roses sold readily at \$1.50 and \$2 per doz.; carnations, common, at 75 cents per doz.; select Flora Hill, at \$1 per doz., and violets at \$2.50 and \$3 per 100.

Beach & Chessman had their beautiful store elaborately decorated with greens and flowers. They had large quantities of palms, fern pans, and other fine ornamentals, which they found a ready sale for, in fact, their store was completely cleaned out by Sunday noon, though they had a large stock of flowers of their own growing. Large quantities of holly and moss wreaths were sold, but there was no call for mistletoe.

A pretty thing in violets was an arrangement of 100 flowers intermingled loosely with maidenhair ferns; these were tied at the base of the stemming wires, giving a loose and graceful effect, the stems being wound with 1/2-in violet satin ribbon, and the streamers cut long and brought lightly over the top of the arrangement, and tied in a bow of several loops and streamers; these sold readily, when nicely arranged in a box of purple hue, lined in violet tissue, at \$5 per bunch.

A large increase in the sale of plants was noticed. There were a good many calls for blooming plants, but little was to be had outside of primulas and cyclamen, and good plants of these were scarce, and parties took something in the way of ferns and other plants, not being able to find what they wanted. RAMBLER.

DETROIT.

In a recent issue of the Detroit Journal appears an interview with President Harry Balsley, of the Park Commission, in which he recommends as the site for the proposed exposition the bosom of the Detroit river in the middle-ground below Belle Isle. He would reclaim 68 acres there where the depth does not average over eight feet, and have the exposition suggestive of Venice with fire boats for fire protection.

A VERY artistically printed invitation to his Christmas display was issued by Mr. W. L. Rock, the florist of Kansas City, Mo., and of which a copy was sent us. A novel feature was a natural galax leaf, the stem being slipped through a slit in the cover. On the title page was the legend, "A carnival of fairest flowers and rare plants."

NEGAUNEE, MICH. — Christmas trade was good. Retail prices were about as follows: Carnations 65 cents a dozen, roses \$1.50 a dozen, violets 35 cents per bunch of 25, smilax 35 cents a string. S. R. Fraser has accepted a position as florist with L. H. Stafford at Marquette, Mich. At Ishpeming, Mich., the Ishpeming Floral Co. has about 8,000 feet of glass and everything is in fine condition.

January Price List-1899

CARNATION ROOTED CUTTINGS NOW READY.

Rebacco, seedling by Dorner, fancy stem as long as Pingree and bloom same size, yellow, brown, splashed light pink, fine per 100 \$5.00
Argyle, fine dark pink 6.00
Tidal Wave, discarded for Argyle.
Bridesmaid,
Empress, one big crop 4.00
Meteor, discarded for Empress.
Evelina, best paying white we have 3.00
Lizzie McGowan, discarded for Evelina.
Ivory, discarded for Evelina.
Alaska, Mayor Pingree, large cream 1.50
Gold Nugget, best yellow, but small 6.00
Painted Lady, painted 3.00
Psyche, variegated 3.00
Mary Wood, this is all right 2.00
Mrs. G. Bradt, a dandy 3.00
Helen Keller, discarded for Bradt.
Armazindy, " " "
Lily Dean, " " "
Flora Hill, big white 1.50
Daybreak, shell pink 1.50
Triumph, big pink 2.00
Wm. Scott, discarded for Triumph.
Jubilee, scarlet 1.50
Morello, scarlet 1.50
Portia, discarded.
Above are all healthy, strong, rooted cuttings, up-to-date bloomers.
Estimates given on 1,000 to 50,000 lots.

September Rooted 2 1/4-in. Pot Plants, Per 100

New Coleus, Brownia, a fine bedder \$5.00
Velvet Plant, big seller 3.00
Geranium, Dekoo Mitting, a cross between S. A. Nutt and Cloth of Gold, foliage like Cloth of Gold and bloom like S. A. Nutt, double, per plant \$5.00 each.
Geranium, Mme. Sallerol 2.00
Geranium, fancy foliage, 6 varieties 3.00
Geranium, White, White Swan, Hermine, La France, Mrs. G. M. Gaar, Cts. de Harcourt, Alpine Beauty and Mme. Rozain 2.00
Geraniums, our selection of up-to-date var. ... 2.00
Feverfew, Little Gem 2.00
Southern Thyme 2.00
Iresine, in 2 colors, red and yellow, makes a fine border for Canna beds 2.00
Salvia, 3 good varieties, Clara Bedman, Le President and Vernon 2.00
Abutilons, Souv. de Bonn and Triumph de Louvii 2.00
Smilax 1.00
Petunias, Dreer's 7 best varieties 2.00
Heliotropes, White Lady, Albert Dix and Czar Ivy Geraniums, mixed 2.00
Coleus, up to date, 14 varieties 2.00
Mums, Florence Pullman, Modesto, Mrs. Northcot, Mme. des Granges, Varnel's Beauty and Mrs. R. McArthur 2.00
Mesembryanthemum Erectum 5.00
Begonias, flowering, 20 varieties, our select'n 2.00
Five plants at 100 rates. Spot cash.

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Jubilee and Triumph, the best red and pink, rooted, strong and clean, \$1.40 per 100 not rooted, strong and clean75 "
Albertini and Della Fox, very fine stock, rooted, strong and clean \$1.50 per 100 not rooted, strong and clean 1.00 "
Daybreak, Ivory and McGowan, rooted, extra strong \$1.00 per 100 not rooted, extra strong50 "

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Mrs. Cleveland, Candidate, Aurora Borealis, J. C. Vaughan, Suppola, Miss Arthur, Crimson Bedder, Pink Beauty, Francis, Negro, Swayne's Beauty, Invincible. Per doz., 15c, 70c per 100, \$6.00 per 1000, \$25.00 per 5,000, \$45.00 per 10,000. Express prepaid to all parts of the U. S. and Canada.

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Per 100
Begonia Incarnata Gigantea \$2.00
" Rex, mixed, Mrs. Pollock 2.00
" Rex, 80 named varieties 4.00
Coleus, 50 varieties 1.00
" mixed \$5.00 per 1,00060
" separate colors, 6.0075
Ageratum, Geraniums, mixed 1.00
Geraniums, separate kinds 1.50
" bronze, lemon verbenas 1.50
" silver leaf, rose scented 1.50
" Mme. Sallerii, Vinca var 1.25
Impatiens Sultana, assorted 2.00
Pelargoniums, assorted, named 4.00

POTTED PLANTS.

Begonia Incarnata Gigantea 2 1/4-in. 4.00
" Rex, mixed 4.00
" Rex, 80 named varieties " 6.00
Cinerarias, best strains " 3.00
Asparagus Plumosa Sprengerii " 6.00
Impatiens Sultana " 3.00
Geraniums, Silver Leaf 4.00
Lemon Verbena 4.00
Forget-me-not, winter flowering 3.00
Vincas Var., 2-inch, 3-inch, extra \$2.00 to 4.00

Write for prices on other stock or for large quantities. Terms Cash or C. O. D.

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I have from 1,000 to 5,000 stock plants of each of the leading varieties, and offer Rooted Cuttings at very reasonable prices. Correspondence solicited.

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100 Seeds for 25 Cents.

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CARNATIONS all sold.

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Fire Insurance Ass'n.

ADDRESS W. J. VESEY, Sec'y,
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Dreer's Reliable Flower Seeds

Knowing the importance of choice stocks to the florist, our constant endeavor is to furnish not the cheapest but the best of everything. The following list is only a few things which should be sown early, most of the new crops are now in stock. A few articles not yet to hand are expected daily, and can be forwarded on arrival.

	Trade Pkt.	Oz.		Trade Pkt.	Oz.
Ageratum Cope's Pet,			Lobelia Crystal Palace Com-		
Very dwarf, blue.....	\$0.15	\$0.40	paeta, true.....	\$0.40	\$2.00
Alyssum Little Gem, very dwf.	.10	.25	Lobelia Speciosa, dark blue		
Aster Queen of the Market,			trailing.....	.20	.75
earliest of all, white or purple,	.20	.75	Mignonette Machet, select		
In mixed colors.....	.15	.50	stock.....	.15	.40
Aster Semple's Branching,			Mignonette Defiance, large		
a very select stock, white, pink,			spikes.....	.25	1.00
lavender and crimson.....	.30	1.50	Petunia Dreer's Single		
In mixed colors.....	.30	1.25	Fringed, the best in the world	.50	
Centaurea Gymnocarpa, 1000			Petunia Dreer's Double		
seeds, 25c.....		.40	Fringed, unequaled by any,		
Cobaea Scandens, blue.....	.10	.30	500 seeds, 75c., 1000 seeds, \$1.50		
Cyclamen Persicum, a grand			Phlox Drummondii Dwarf,		
strain in mixed colors.....	.30	1.25	mixed.....	.80	1.50
Cyclamen Per. Giganteum, in			Salvia Splendens.....	.30	1.25
white, blood red, rose or white			Salvia Bonfire (Clara Bedman),	.50	2.50
with dark eye, 100 seeds, \$1.00;			Smilax, fresh seed.....	.15	.35
1000 seeds, \$9.00. In mixed col-			Per lb., \$3.50.		
ors, 100 seeds, \$1.00; 1000 seeds,			Verbena Mammoth, separate		
\$8.00.			colors.....	.40	2.00
Dracena Indivisa.....	.15	.40	In mixed colors.....	.30	1.50
Ipomoea Grandiflora, moon					
flower.....	.15	.50			

Our New Wholesale Price List will be mailed to all florists shortly. See that you get it.

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Read this and let us hear from you.

Remember, our Geraniums are grown in flats and in soil. Our selection, \$1.50 per 100, \$12.00 per 1,000. Mme. Salleron, same price and grown in soil. Rose Geraniums, \$2.00 per 100. Ageratum, blue and white, 60 cents per 100, \$5.00 per 1,000. Fuchsias, standard sorts, \$1.50 per 100, \$12.00 per 1,000. Fever Few, Little Gem, from flats and in soil, \$1.25 per 100, \$10.00 per 1,000. Salvia Splendens and Bedman, \$1.00 per 100. Heliotrope, six varieties, \$1.00 per 100, \$9.00 per 1,000. Vinca Variegata, cuttings, \$1.25 per 100, 4-in. stock, fine, \$3.00 per 100, \$30.00 per 1,000. Coleus, all the best varieties, C. Verschaffeltii and Queen, 75 cents per 100, \$8.00 per 1,000. Coleus, in variety, 60 cts. per 100, \$5.00 per 1,000. The above are Rooted Cuttings, except when noted.

Cash must accompany all orders.

J. B. FELTHOUSEN, Schenectady, N. Y.

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Areca Lutescens,

COCOS WEDDELIANA,

KENTIA BELMOREANA,

LATANIA BOERBONICA,

FOR PRICES AND SIZES

See Florists' Review, November 17th, page 660.

JOSEPH HEACOCK, Wyncote, Pa.

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OUR SPECIALTY!

Rooted Cuttings of
New Varieties of Carnations.

Special prices to those who issue lists or buy to sell again. Let us know what you are going to need.

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2000 Yucca Aloefolia and Variegata, 4-in.

pots, \$3.00 per 100.

5000 Smilax, 2-in. pots, \$3.00 per 100.

2000 California Violet runners, 60c per 100.

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LILIAM SPECIOSUM ALBUM, extra size, at	\$100.00 per 1,000
" " RUBRUM "	60.00 "
" " MELPOMENE, extra size, at	100.00 "
LILIAM AURATUM, 7 to 9 inches, at	80.00 "
" " 9 to 11 "	50.00 "

We have still left a few thousand of our **WHITE ROMAN HYACINTHS,** 12 to 15 centimetres, which we offer to first comer at **\$10.00 per 1,000**

J. M. THORBURN & CO., 36 Cortlandt St., NEW YORK.

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The Cottage Gardens,

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WHOLESALE GROWERS.

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HARDY SHRUBS, TREES, VINES, EVERGREENS and PERENNIALS.

A large and fine stock of well-rooted plants, grown in a sandy loam. Good plants, best sizes for planting; very cheap.

Priced Catalogue free on application.

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In this specialty we are prepared to supply the trade with Henry Dreer's latest set of new seedlings, sent out this year, the most gorgeous set of Petunias in existence. We have three houses planted for cuttings, so are prepared to supply unlimited quantities on short notice. Strong 2 in. plants, \$2.00 per 100; strong rooted cuttings \$1.00 per 100. Place your orders early, as there will be a great demand for this stock. No orders solicited for less than \$1.00. Cash with order. Send for our circular.

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First 2-in. pots of Woottons, Perles, Brides, La France and Meteors, ready for shipment Feb. 1st. Orders filled in rotation. Rooted Cuttings of all Roses ready Jan. 5th to 10th. Fancy Carnations Cuttings ready Jan. 25th. Write.

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Long Distance Wholesale Cut Flowers.
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NEW FAST TRAIN EAST VIA THE WABASH.

Leaves Chicago daily at 12:02 noon; arrives Detroit 8:20 P. M., Buffalo, 5:00 A. M. New York 3:30 P. M., Boston, 5:50 P. M.—only one night on the road. Through sleeper. Ticket Office, 97 Adams Street, Chicago.

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ST. JOHN, N. B.

Christmas trade was upwards of 50 per cent better than any previous year. Pot plants in great demand, also bulbous stock.

In cut flowers, carnations take the lead and in fact where orders were booked in advance "knowing exactly what would be the cut" were doomed to disappointment, as even the wholesalers in Boston could not or would not fill the orders.

Roses sell well, but have to take second place.

At Mrs. W. H. Jones' establishment everything was pretty well cleaned out and supply equal to the demand, but orders for two funerals three days in advance and on Xmas eve, and nine orders for the same for the 27th, made them keep their weather eye open.

William McLean, whose greenhouses are at Colbrook, in the vicinity of this city, reports trade in pot plants fully 20 per cent better than any previous year, and any one could easily jump to the same conclusion if they happened to run up against him, as his jovial countenance would give him away.

Adam Shand, also of Colbrook, who recently built two commercial houses and leased a store at 32 King street, this city, reports trade beyond his most sanguine expectation, and is well able to cater to the same. But the same fault all over; carnations not equal to the demand.

E. J. S.

MINNEAPOLIS, MINN.

New Year's trade was not up to expectations, and was hardly up to last year. The supply of flowers was fully equal to the demand, with prices reasonable. The cold wave that arrived three days before and continued until Monday was probably largely responsible for poor business, as the streets were almost deserted on Friday and Saturday. There seems, however, to be a good outlook for trade the rest of the season.

The florists here have organized the Twin City Bowling Club, with Aug. S. Swanson, St. Paul, as captain, and E. Nagel, of Minneapolis, as secretary and treasurer. The club members will practice every Tuesday evening and intend to be ready for the match at Detroit next summer.

N.

WORCESTER, MASS.

The Worcester County Horticultural Society has issued a printed program of essays to be read at the weekly meetings from Jan. 5 to March 9. Copies may be secured from the secretary, Mr. A. A. Hixon, this city.

FRANKLIN, TENN.—Truett Bros. have succeeded their father, who died last May, aged 75 years. The father built the first greenhouse ever erected in Tennessee, in 1841, and it is still in a good state of preservation.

New Carnation Evanston



A Glowing
Scarlet Sport
From Tidal Wave.

It has been a "Money-maker" with us the past three years and will be the same with you. Treatment same as for Tidal Wave.

Rooted
Cuttings...

\$7.00 per 100
\$60.00 per 1000

500 at the
Thousand rate.

M. WEILAND, EVANSTON, ILL.

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A SPARAGUS 50,000 Plants, 2 1/2-in. pots, \$5.00 per 100, express. 24 by mail for \$1.50

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FOR 8-INCH POTS,

A B **AND** **CO** **P HILA**

\$6.00 per 12.

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FRANCE -- Roman Hyacinths, Narcissus, Freesias, etc.

JAPAN -- Lilium Longiflorum, all sizes. Crop short.

HOLLAND -- Hyacinths, Tulips, Narcissus, Crocus, etc.

CHINA -- Chinese Secred Lilies.

On hand:—Extra selected **Lily of the Valley**, 2,000 in a case \$24.00

From cold storage:—A fine lot of **Araucarias**.

State quantity needed and prices will be cheerfully given by

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MITCHELL, S. D.—Christmas trade was double that of last year, with more call for pot plants and ferns, especially.

MARION, IND.—Mr. Gunnar Tielman reports the best Christmas trade he ever had. His retail trade was three times that of last year. His stock was in excellent condition and in addition to what was retailed he shipped largely to Chicago, where good figures were obtained.

CATALOGUE SENT FREE

MERCHANDISE FOR THE HOME, FARM AND FIELD

GALVANIZED WIRE
100 POUND ROLLS—SHORT LENGTHS
RUN FROM 65 FEET UP. PRICE
PER ROLL 100 POUNDS \$1.15.

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Lehman's Wagon Heaters

Over 100,000 in Use.

Cost of Operating less than one cent per hour.
Thoroughly reliable, inexpensive and durable.

Send for Descriptive Circular and Price List.

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MANUFACTURERS,
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General Western Sales Agent,
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.....Will keep your delivery wagons at a temperature that will prevent your plants and flowers freezing in the coldest weather.Positively no smoke, no smell, no gas, no danger.

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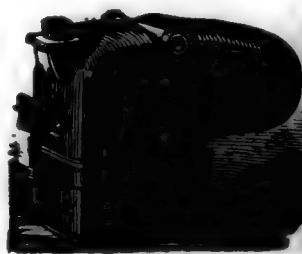
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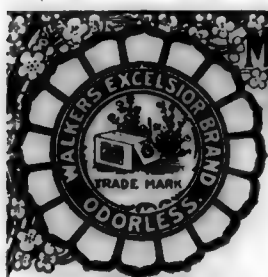


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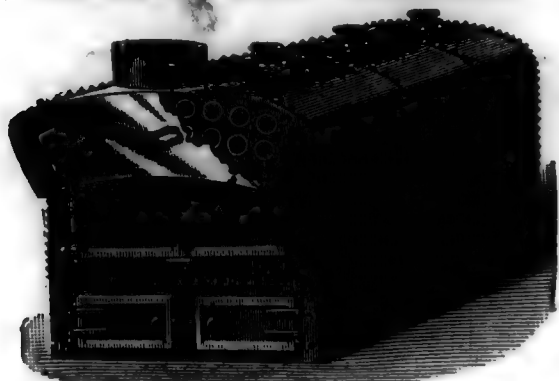
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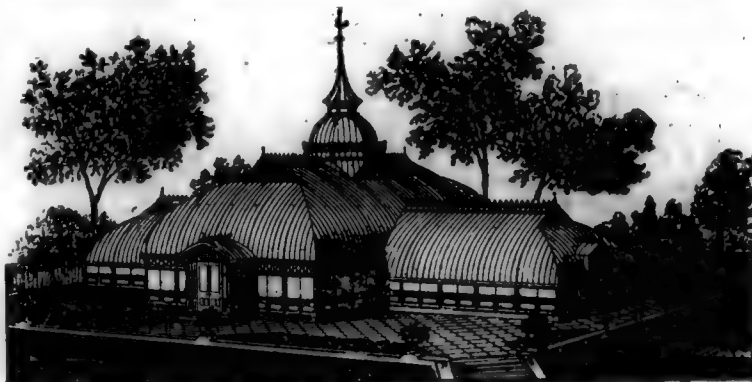
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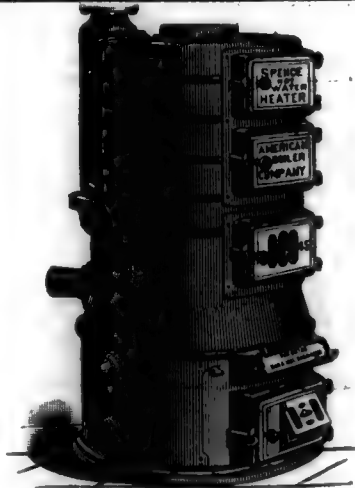
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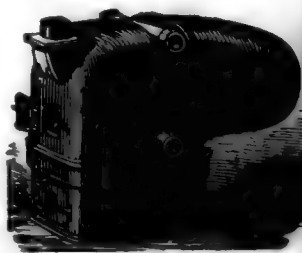
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Vol. III.

CHICAGO AND NEW YORK, JANUARY 19, 1899.

No. 60.

CARNATION JUBILEE.

The illustration is from a photograph taken Dec. 16, 1898, and shows a house of carnation jubilee as grown at H. W. Buckbee's, Rockford, Ill.

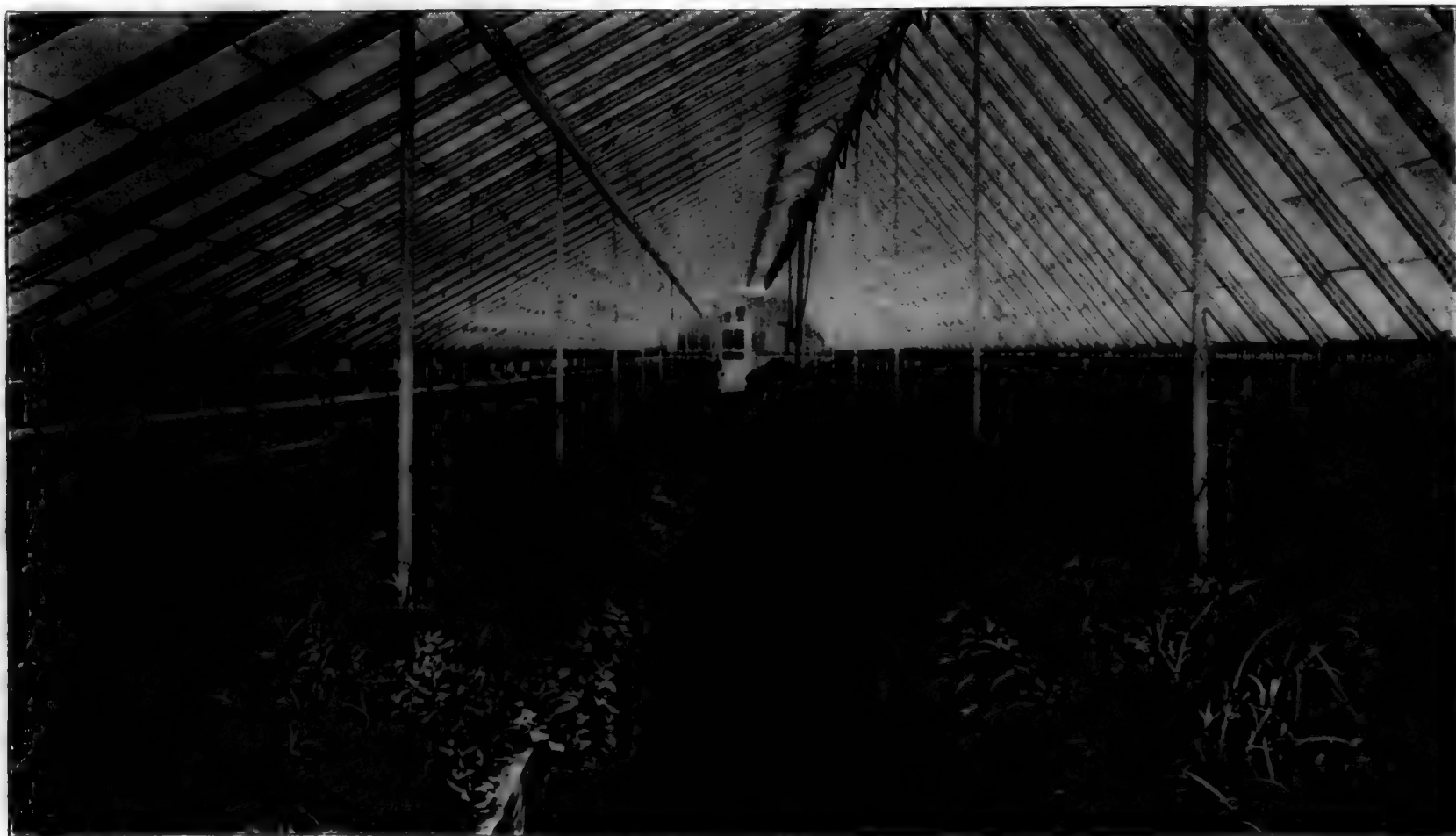
Cuttings for these plants were put into sand in February of the same year. They were potted into 2½-inch pots in March and placed in a greenhouse near the glass in a temperature of 45 degrees at night. The young plants made a strong, heavy growth and were induced to branch after be-

ing topped once. The latter part of April they were planted into the open ground, receiving a weekly cultivating with a Gem cultivator. Aside from this and keeping the ground clear of weeds, they were gone over and topped every two weeks until Aug. 15.

About Sept. 1st they were taken up and planted in the house, using a fairly heavy sod soil to which was added one-fourth well rotted manure. The plants began flowering early in October and have been blooming steadily

ever since, and were in full crop for the holidays, realizing \$8.00 per hundred wholesale during this time.

Jubilee certainly may be classed among the "money making" carnations. We have been growing it for the past three years and believe it to be one of the best varieties ever introduced. Mr. John Hartje, the raiser, as well as Mr. E. G. Hill, the introducer, should be given great credit for having originated and disseminated so grand a variety. S. A. BAUR.



House of Jubilee Carnations at H. W. Buckbee's, Rockford, Ill.

CARNATION NOTES.

Cuttings.

In my last notes I have been showing the advantages of the separation of the culture for cuttings only from the general culture for flowers. Selected plants for that purpose should be given the benefit of the invigorating autumn field culture as long as possible, but without subjecting them to any hard frost; so the first half of October will be the best time to house them. Select a roomy house with good ventilation and prepare the benches the same as for growing flowers; in fact, the whole culture should be the same, with the exception that the plants can be planted closer, so that plant will touch plant with the points of the leaves each way. There is hardly any danger of them crowding each other, as all the new growth will be cuttings, and taken as soon as strong enough. At this time of the season, when cooler weather prevails, the ordeal of transplanting is less severe; the plants will recuperate quickly and start growing vigorously. All flower buds that appear should be removed as soon as noticed, or any shoots indicating a flower bud be topped; this will cause the part of the shoot left to break again quickly.

Observe the same care in watering; keep them dry over head, and apply the water between the plants. Ventilate freely; keep the night temperature from 50 to 55 degrees as the highest. See that the plants have enough nourishment in the form of a mulch with manure or liquid manure. In short, give them the same care as you would a bench where you expect to grow the best high grade flowers. Here also you have the best chance to eradicate rust or other fungous diseases; the plants are open and accessible to work about them.

When the desired time has arrived to make cuttings, which under favorable circumstances can be as early as the middle of November, take the shoots that are strong enough to make a good cutting and leave a stump on the plant with two or more joints. Break the cutting out of the shoot over your thumb, but take absolutely no more than what belongs to the desired size of the cutting, and be careful to leave the stump intact with all the leaves on. This stump will soon break again and furnish in time more cuttings as good as the first one.

It is policy in the fore part of the season not to take too many at a time, but go over the plants often and take only the largest in the way mentioned, to prevent any severe check, and to increase the number of first class cuttings. With the later pickings the cuttings may be taken with a heel the same as they are taken from a flower stem. By February 15 to March 1 such plants will have furnished their quantity of cuttings, and the plants can be thrown out to make room for

something else. It makes an excellent place for the rooted cuttings planted in flats or pots, awaiting shipment, or the time to be planted in the field.

Some will say this is taking cuttings from exhausted plants. This is by no means the case, so long as the cuttings are judiciously taken. In February, when most cuttings are wanted, and a clean sweep is made, the plants will certainly be exhausted, and when the then nearly leafless plants are retained for further use, can only furnish an inferior article; but those taken while the plant is in the stage of a vigorous onward growth, bent on extending in size, are to my belief superior to those taken from a flower stem where all the energy is monopolized to perfect the flower.

FRED. DORNER.

AMERICAN CARNATION SOCIETY.

The Philadelphia Meeting.

Arrangements have been made for the accommodation of members and their friends at the Lafayette Hotel for \$1 and \$1.50 per day on the European plan. The Lafayette is convenient to the meeting place and hall and it is desired by the managers that they know how many to expect at the latest one week in advance of the meeting.

Members or others desiring to stop at this hotel should notify me not later than February 7th, or they can, if they so desire, write to the hotel direct, and secure the rates given by stating that they will attend the meeting of the society.

Communications regarding space in the exhibition hall should be addressed to Geo. C. Watson, Juniper and Walnut streets, Philadelphia, Pa. Entries should be made with me as soon as possible to avoid the confusion of the opening day of the exhibition and possible errors resulting therefrom.

The meeting promises to be a big one, the show a bigger one, and every live carnation grower should arrange his affairs now so that he can attend.

ALBERT M. HERR, Secy.

Lancaster, Pa.

CARNATION SANDUSKY.

This is a new striped carnation and it is certainly a very handsome flower, that should find a place among the fancy sorts. It originated with Mr. W. E. Hall, Clyde, O., who is now introducing it. An illustration of a bench of plants in bloom and of an individual flower appears in Mr. Hall's adv. in this issue.

We were very favorably impressed with the flowers sent us, which were very large, with perfect calyx and borne on good, stout stems. The color is white, very heavily pencilled with carmine.

NOW is a good time to renew your subscription for another year, if you have not already attended to it.

GERANIUMS.

There are but few flowering plants that seem to succeed generally in our trying American climate as bedding plants, and among these the geranium and canna are by far the most prominently used; their universal success under almost all normal conditions amply proves their value and fitness for that purpose.

Where a dwarf plant and brilliant color effects are desired nothing can equal the geranium. The scarlets, crimsons, carmines, maroons, pinks and salmons which enrich the scale of color in the geranium, are not surpassed, and we may say scarcely equaled in any other class of plants, whether annual or perennial, and their unequaled perpetual blooming during almost the entire year places the zonale family far in the ascendancy for bedding purposes.

Such marked improvements in size of bloom and truss, compactness of habit and vigorous growth, freedom of blooming as well as intense purity and brilliancy of color, have been made during the past ten years as to enhance the intrinsic value of the geranium to a considerable degree, and those growers who have contentedly sat down with a list of varieties selected ten years since are certainly missing business opportunities by not keeping pace with the swiftly advancing improvements and laying plans to renovate and keep their stocks up to date.

Many a customer who complains of being tired of exactly the same bed of General Grant each year, would be captivated by the immense flower, grand truss and splendid habit of Alphonse Riccard, the soft, exquisite shadings of Mme. Jaulin, the pure, rich pink of Francis Perkins, the deep rich maroon and compact habit of Phonograph, the intense orange scarlet of Raspail Improved, or the peculiar effects of some of the Aureole section. How often do we see in some cities as well as parks almost ceaseless beds of Grant or Nutt or Poitevine without a bit of relief. How much more satisfactory would it be if there could be more variation, more contrast, more to interest one than a succession of brilliant patches of the same color, the details of which are identical.

I have found people generally manifesting the greatest interest in our fields and houses of geraniums where the greatest number of varieties were in bloom, and if dealers in bedding plants who come in contact with the retail buyer would take the trouble to impress upon them the desirability of avoiding a stereotyped effect in planting and in having something different instead of exactly the same as their neighbors, a real benefit to all parties concerned would accrue.

All varieties do not do equally well as bedders, and for this reason the geranium should be definitely divided in three classes at least, and for better



Bench of Bruant Geraniums as grown at the Cottage Gardens.

convenience several other classes may be added.

The bedding class will interest florists first, of all, as their sale is far greater than for the purpose of pot culture for conservatory decoration. The bedders should be also divided into sub-classes, as follows:

THE BRUANT SECTION, distinguished by very large individual flor-ets and trusses, bloom generally semi-double or single, dwarf or semi-dwarf spreading habits, with very large, heavy, deeply-zoned foliage that stands the exigencies of the American climate better than almost any other class, and are withal very free in bloom. Many of the best bedders now in use belong to this section, conspicuous examples being Alphonse Riccard, Mme. Jaulin, Beaute Poitevine, Dble. Grant, or Heteranthe, J. J. Harrison, Griffith, Mme. Landry, Countess de Harcourt, Countess de Castries, Thos. Meehan among the semi-doubles, and H. Dauthenay, Mme. de la Roux, Mrs. E. G. Hill, Mme. Ch. Molin and others among the singles.

DOUBLE AND SINGLE BEDDING SECTION, distinguished usually by large, compact, spherical trusses of quite double flowers, which are usually freely produced. The desirable habits are compact and dwarf to semi-dwarf. Foliage is medium in size and some varieties are more or less zoned. They are good growers, free bloomers, stand our climate well; but usually are not so hardy as the Bruant section. Conspicuous examples of this type are S. A. Nutt, Gloire de France, Grand Chancellor, La Favorite, Mrs. Francis Perkins among doubles, and Single Grant, Kate Schultz, Rev. Atkinson, Gettysburgh, James Kellway and Granville among singles.

The French hybridizers have produced an entirely distinct and novel section, which has been termed **THE AUREOLE SECTION**. Distinguished by white grounds, heavily bordered with various shades of pink, carmine, scarlet and crimson, veined, maculated and dotted or splashed with various modifications of the marginal color. This beautiful section, of which Souv.

de Mirande was the first example, has been rapidly developed during the past six years and now boasts of a very respectable list of many colors in both single and double varieties. Conspicuous sorts are Souv. de Mirande, Mme. Hoste, Mme. Bruant, Fleur Poitevine, among singles, and Triumph de Nancy, Surprise, Hubert Charron, Mme. Goyeux, Henri de Parville, among doubles.

Some of these varieties have proved magnificent bedders, such as Camille Bernardine, Mme. Bruant, Fleur Poitevine, and all are especially desirable for pot culture. This section furnishes us the most novel and striking combinations of color schemes and color contrasts of any known flowering plants and are worthy of the florists' most careful study.

A beautiful sub-class is the **PICO-TEE Section**, distinguished by white or rose white grounds, with a distinct, narrow, clear, marginal band of pink, carmine or rose.

The **ENGLISH ROUND FLOWERED SECTION** represents the highest de-

velopment of the single geraniums. They are remarkable for their immense highly colored florets, $2\frac{1}{4}$ to $2\frac{1}{2}$ inches in diameter, and sometimes a 3-inch bloom is seen. These huge florets are quite circular in form and of great substance, and borne in fine shaped trusses held from 6 to 12 or more inches above the dwarf compact plants. The foliage is usually large, sometimes deeply zoned. Habit very compact, dwarf and neat. This section is especially valuable for pot culture and conservatory decoration, as they can be grown to magnificent specimens and their huge strikingly colored blooms of every hue are unsurpassed for this purpose, and for window box or terrace work in protected situations. They do not stand full exposure to the elements of our climate

as well as the other sections, and are not so successfully used in all situations. This section should not be neglected by the florist, as a couple of hundred well grown plants among his general stock will be sure to sell to lovers of flowers who buy single plants or in small quantities.

Conspicuous examples of this section are John Forbes, Gertrude Pearson, Olivia, Mark Twain, Dr. Rothera, Midsummer, Ian McLaren, etc.

The cut is from a photograph of a bench of one of the Bruant section, which shows how prolific in bloom this section is. It illustrates also how our geraniums are grown under glass for propagating, which system enables us to have wood in the proper condition for rooting at all seasons.

Queens, N. Y.

C. W. WARD.

on a bench in a light temperature of 50 degrees but never let the sun shine on them or be exposed to a draft, such as an open door. When fully out there is no better way of keeping the spikes than cutting and tying in small bunches and keeping in water in a cool, moist cellar. I meant to say that the boxes should not be placed directly on the pipes but raised a few inches by some strips. A good watering morning and evening is not too much for the first two weeks and after color shows once a day. Never wet the bells after they are showing color.

My readers may think this is a fussy and elaborate method of culture of this sweet little flower so universally mis-called a lily, but on good authority I am informed that the largest grower for the London market, some 7,000,000 pips annually, still forces them the year round in boxes and the uniform success and extraordinary quality of flowers is not questioned.

Hydrangeas.

Plants that were shifted and started into growth end of November are now showing flower buds. They will be in good time for Easter but none too soon as they are all the better for a few days in a cooler house before selling time. If any plant appreciates liquid manure it is the hydrangea and as they develop their buds it can be grown with good results twice a week. They are the most voracious of feeders; $1\frac{1}{2}$ pounds nitrate of soda, 1 peck sheep manure, or double the quantity from the cow stable, either in 50 gallons of water would be a good meal and to alternate them would be a change of diet. Hydrangeas that you want for May sales should be either in a cold frame where little frost touches them or under a bench in a cool house with little water, as you want them to be as dormant as possible.

Bougainvillea Sanderiana.

I once said plant this handsome plant out in the summer time, lift before frost, keep in cool house for two months and then put into a temperature of 60 degrees at night and they would flower in April. I heard some criticism on this treatment from a most worthy man and expert grower, but notwithstanding this I pursued the same course last spring with a lot of young plants and they are now bushy plants 15 to 18 inches across and showing flower on every shoot. This is hardly a seasonable hint, yet if you have any put them into a brisk heat at once and they will start to grow and flower. This is a good time to root cuttings of this plant. When you can root a coleus you can root bougainvillea, only it takes 5 or 6 weeks before they are ready to pot off. Although these spring-struck plants make a good growth if planted out, I like best to plunge them outside in 4-inch pots the first summer. Winter them in any old place the following winter, then

MISCELLANEOUS SEASONABLE HINTS.

Lily of the Valley.

Large retailers who have a range of glass at their back (sometimes only a burden on their back), grow their own valley, but the majority of our florists, big and little, buy of the commission man who is supplied by the specialist. The specialist has his arrangements perfectly adapted for the purpose and whose daily cut every day in the year is in the thousands and perhaps tens of thousands. Yet there are some of us country florists who from November till May can grow our wants in that line more profitably than we can purchase, and by putting in a few hundred about twice a week we are never without a supply, and if fortunate to want an extra quantity they are easily procured. Large growers who can put in several thousand in one batch place them in 5 or 6 inches of sand in which there is a strong bottom heat and a very moderate top heat. As the season of natural flowering time approaches less bottom heat is needed. For those who have such conditions existing in part of their establishment no better plan can be followed, but few of us have. For those who force only five hundred to a thousand a week, forcing them in boxes or flats will be found the best if not the cheapest plan. The forced valley makes little or no active root growth from the time the pip is placed into heat till the flower is fully developed, yet these apparent dormant

roots exercise a function without a doubt and should not be cut off too short. The boxes can be of any convenient size as they have several moves. I prefer not larger than 15 inches square and not less than 5 inches deep.

When valley was first forced years ago all sorts of material was pronounced the thing; Sphagnum moss, crushed coke, sand and charcoal and various other materials. Really it matters not as nothing but moisture is needed and the lightest and best medium for supplying that to the roots is all that is wanted. Pure sand is all right, but I like for box culture a mixture of sand and sifted Jadoo, half and half; the Jadoo holds the moisture and is light to handle. Don't think this is an expensive mixture as the same material can be used over and over again. I believe in the pips or crowns being covered to their tips with sphagnum for it keeps an even moisture round them. It is easy to force out the flower with a violent heat but another thing to get a good development of leaf and flower bud and have the top bells expand before the lower have shriveled up. When first boxed they can be placed on a run of hot water pipes, pipes that are hot or steam pipes beneath a bench. In two weeks remove to a position where there is less heat and a cooler house, still on or above some pipes. In another week the flowers will be about all developed and they can then be placed

cut them back and plant out in May and the following winter you have fine bushy plants.

Violets.

A very interesting article appeared in last week's Review on the violet. There is to me no doubt that the genuine runner is to be preferred to the division of the old plant. I have a house of plants which represents both methods and those from the runners taken off in February are much the best. I mention this now because no good strong runners should be pulled off and thrown away after this date. It is not necessary to put them in the sand of the propagating bench as you do carnations, but place them at once into flats of light soil, 2½ or 3 inches deep and keep cool and shaded till they are rooted, when of course a light house and low temperature is the place till a cold frame will take care of them.



ROSE NOTES.

As the days grow longer, with the addition of brief intervals of sunshine, we begin to notice a renewed activity in the growth of our roses. What a wonderful change a few days of sunshine can make in the appearance of a rose house! Bottom shoots are making their appearance in all parts of the house, and what is more cheery to the heart of the grower than to see these strong canes spring up like mushrooms during the night and in seemingly very few days attain the height of 3 to 5 feet?

Now if you want extra fine flowers and can get a sufficient price for them it may be well to disbud these shoots to a single flower, otherwise it might be best to break out the center bud and leave three or four shoots to divide the sap among them, which means many flowers of more than good average quality. Which will pay the best in the end is a question for you to decide.

If this bright weather keeps up we may soon get in shape for giving the

Weather.

I have thought it worth while to think seriously about the dates and climate of this year as compared with that of last year. Often the value of our crops depends greatly on the right or wrong time we have them for sale. Easter is not the only week that plants sell, but no one will question that many crops grown for that date would not be worth one-fourth the price if not salable at that time. The spring of '98 was the most remarkable in the memory of "the oldest inhabitant." Those older than myself have lost their memory. About March the first spring virtually set in and although croakers and wise ones said, "Oh, we will suffer for this," we never did. March was a sunny, warm, frostless month and although we had a few sharp frosts in April it was no more winter. Is it likely we will soon see that again? I think not and those who only reckon on last year's experience and results and forget what normal northern March is like, and that Easter is this year very early (April 2), had better think it over at once.

WILLIAM SCOTT.

days, always bearing in mind not to get it too strong. Weak applications given regularly are always safest and best. Should we have a prolonged spell of dark weather it will be advisable to wait for bright weather before applying, as the plants would not be able to assimilate it, and what was intended as a benefit might prove a great injury to the welfare of your stock.

S. A. B.

CHRYSANthemum SPORTS.

The catalogues will soon be on hand with the usual list of new varieties, which are, however, hardly so numerous as usual. Several of the new sports will be much more useful to the grower for exhibition than the commercial man, notably G. I. Warren, a pale yellow sport from Madame Carnot, and the white Iora, Mrs. F. A. Constable. Warren is distinct from Mrs. W. Mease, another sport from Carnot, but the difference is slight. The flowers of Carnot and all its sports are superb, but most unfortunately are rather soft, and on that account cannot be handled by the purely commercial grower as much as their merits would otherwise deserve.

A pink sport from Carnot is noted in Europe this year, but we are not likely to see it in America before the fall exhibitions. The Carnots are vigorous growers and must not be planted too closely, or a long neck will result. Mrs. F. A. Constable makes a bad shipper, as does its parent, on account of the peculiar whorled petals which interlace and damage each other if the flowers are not packed separately. Outside of this peculiarity, however, Mrs. Constable is a splendid variety, habit and foliage being very satisfactory.

Several growers claim to have yellow sports from Mayflower. One that I saw was perhaps rather pale, but that is nearly always the result when a white sports to yellow, as, for instance, Mrs. O. P. Bassett, Yellow Monarch, G. J. Warren, and a recent yellow sport from Niveus, Pride of Ryecroft, another European variety. Sports are much more common in Europe than they are here, for the simple reason that many more plants are grown for decorative work and are not disbudded to any great extent.

Vivian-Morel has two new sports that I have not yet seen, which are Mrs. I. Ritson, a pure white form, and Lady Hanham, a combination of several colors. Truly, Morel keeps up its magnificent reputation.

Sports have been unusually numerous in America the past year, though why this is so, and, in fact, why or how they appear at all, is more or less a sealed book. Nature has her own way of doing things. Even the human family at times develops "sports," the "dead game" sport being possibly the best known break from conventional lines and entirely dis-

roses a weekly application of manure water. Those who are fortunate enough to possess an elevated tank connected with the water pipes for the purpose of applying manure water certainly have reason to congratulate themselves in having eliminated the worst features of an otherwise toilsome and disagreeable undertaking. When these modern improvements are lacking we will have to depend on the old method of placing barrels in convenient parts of the house and with the use of a "Kinney suction pump," a simple device which you screw on the water faucet, and with the aid of two pieces of hose we are ready for the work (directions, etc., are supplied with each pump). Every florist should be in possession of one of these labor saving devices the cost of which will be saved in one application.

One of the best and safest fertilizers to begin with will be a dose of soot water. Take ½ bushel of soot, put it into a bag, tie a weight to it so as to keep it under water and place it in the barrel, fill the barrel with water and let it remain for a few days, when it will be ready for use. This will do to apply one-fourth strength as a starter, and may be followed with applications of animal manure in liquid form about once a week or ten

inct from the common or garden variety of the genus Homo.

BRIAN BORU.

SOCIETY OF AMERICAN FLORISTS.

Legislative Committee's Report.

At the November meeting of the New York Florists' Club the delays experienced by importers of plants and bulbs were brought before the club officially, the result being that the matter was referred to the legislative committee of the S. A. F. As we have completed our labors for the present, we beg leave to report as follows for publication in the trade press, the reason being that the matters touched upon should be taken cognizance of at once and not allowed to remain until our next convention.

The first action taken by the committee was to insert a call in the trade press requesting written complaints from those who had suffered losses through unnecessary delays. This call not being responded to as promptly or as fully as the circumstances appeared to warrant, the chairman of the committee wrote to twenty-five leading importers, other than members of the New York Florists' Club, asking if they had any complaints against the service in the New York Custom House, and if they desired to place such in the hands of the committee. The responses to that letter were of sufficient gravity and contained specifications which enabled the committee to present a strong case to the authorities. Many of the communications were confidential, and the committee deems it best not to publish any of the communications in the nature of complaints submitted to them. The investigations of the committee showed that the delays proceeded from the following causes: First, irregularities in invoices, caused by shippers failing to comply with customs and regulations as to manner of making out the same; neglect to properly stencil cases with name of country from whence shipped, and other minor omissions.

Second, undervaluation of goods on invoices, according to the market values adopted by the appraiser of the port, causing reappraisal and vexatious delays, also in many cases penalties for alleged undervaluation and in some cases loss of goods.

Third, delay in trucking goods from wharves to appraisers' stores, the average time consumed in that way having been found to be three days.

Fourth, lack of adequate help in examining room to expeditiously handle the goods ordered to appraisers' stores.

The committee also received complaints that the repacking done in the appraisers' stores was faulty, and consequently many plants were damaged from this cause; in some cases every plant among those ordered to appraisers' stores was damaged, some irreparably.

The first step taken by the committee to have the foregoing remedied was to obtain an interview with the Collector of Port and lay the entire matter before him. He received the committee courteously and gave them freely of his time, making notes of the various matters as they applied directly to details within his jurisdiction. He promised to use every means within his power to expedite the handling of consignments of plants and bulbs, said he would issue orders to give them preference over less perishable goods, and that he would particularly urge a more prompt transfer from the wharves to the appraisers' stores of cases of plants and bulbs selected for examination.

The committee has pleasure in saying that the various promises made have been performed, and that there is every reason to believe that the improvements effected will be permanent. The collector explained that occasionally the wharves become congested with goods discharged from vessels, and that, as a consequence, the public truckman could not transfer cases to appraisers' stores as rapidly as he would wish. To overcome that in a measure, the collector suggested that the shippers be instructed to see to it that plants and bulbs were stowed on top of the ship's cargo, so that they would be first discharged upon arrival at her wharf.

The committee having learned that a Senate committee was investigating matters connected with the Custom House in New York, opened communication with them and received the following reply:

Copy.

Senate Chamber,
Washington, Dec. 3rd, 1898.
Patrick O'Mara, Esq., 35 Cortlandt St.,
New York City.

Dear Sir: I received your letter of Dec. 2nd. The Committee of the Senate which has been making inquiries with regard to the administrative features of the customs act, closed its work in New York last week, and I do not think it will have any further sessions. Possibly there is a misapprehension as to the scope of our inquiry. It was confined to suggestions as to how the law might be amended so as to improve it and facilitate both the operations of business and the collection of the revenues. It was not the purpose of the Committee to inquire into the propriety or justice of individual cases. But while in New York we were made aware of the delays which had occurred in the Appraisers' office in fixing the value of foreign imported plants, bulbs, etc., and talked with the Appraiser about it, who seemed very much to regret that there had been any occasion for complaint, and expressed a determination that there should be no avoidable delays hereafter.

Yours truly,
(Signed) O. H. PLATT.

The committee next obtained an interview with the Appraiser of the Port, there being present the Assistant Appraiser and the Examiner. The various causes for complaint were submitted and listened to attentively. The Appraiser and his assistants were very courteous and apparently were very willing to do everything consis-

tent with their duties to hasten the goods through the stores when received for examination. It transpired that steps had been taken in advance of our interview to have the force at the disposal of the examiner increased, a very important and valuable improvement. The Appraiser said also that additional floor space would be provided when necessary. Great stress was laid by all three gentlemen upon having cases properly marked and invoices made out in conformity with the regulations. For the information of the trade, and so that they can instruct their shippers, we obtained sample invoices from the Appraiser, which, with the accompanying letter, we submit herewith for publication, which is very important, and every shipper should be instructed to follow minutely.

Copy.

Port of New York, N. Y.,
Port of New York, N. Y., Dec. 21, 1898.
Hon. F. W. Wakeman, U. S. Appraiser.

Sir: Referring to the conference of Dec. 13th between yourself and a committee of the Society of American Florists, during which you directed Examiner Lersner to prepare and submit to you specimen forms of bulb and plant invoices made up in a manner best suited to the requirements of the regulations of this office, I enclose herewith three such forms. The preparation of these invoices has received careful consideration and the work of this office would be greatly facilitated and the examination of the goods made less difficult if these forms should be followed by shippers in the future.

I would respectfully suggest that these papers be sent to Patrick O'Mara, Esq., Chairman Legislative Committee of the Society of American Florists.

Respectfully yours,
(Signed) T. C. WORDIN,
Assistant Appraiser, Tenth Division.
778-C.C.T.

[Concluded Next Week.]

BOSTON.

Review of the Market.

The general feeling of the cut flower market the past week has been a decided improvement over the last two, and it looks as though we would have a steady run of business from now until the beginning of Lent. Roses, owing to the cold snap, have shortened up in supply very perceptibly, and Brides, Maids and Perles are strong at \$8 per 100, with very few cheaper ones, and strictly high grades run as high as \$2 per dozen. Meteors run about the same as the above. Beauties can be bought as low as \$1 per dozen, and from that to \$8 per dozen.

Carnations are in good supply, with a surplus of Scotts. Average stock will sell at \$2 per 100 for all but the Scotts, which are only worth from \$1 to \$1.50 per hundred. Strictly A No. 1 blooms will bring \$3, with fancies running as high as \$6 per 100.

Violets very plenty; held at 50 cents per 100; valley, \$4 per 100; lilies, both callas and Harrisii, \$1.50 per dozen; mignonette from \$2 to \$8 per 100; Von Sions, 75 cents per dozen; trum-

HOW INVOICES SHOULD BE MADE OUT.

Invoice of Bulbs sold (or consigned) by.....
to..... 15 cases marked X, numbered 1 to 15.

No. of Cases.	No. in each Case.	VARIETY AND COLOR.	Size in Centimeters.	Value per 100 Francs.	Total Francs.
1-5	1500	White Roman Hyacinths	11-12	9)	135.00
6-8	1300	.....	12-15	120	156.00
9-11	1375	Narcissus Grandiflora.....	12	60	82.50
12	1550	.....	13	70	108.50
13	1725	Narcissus Totus Albus.....	.....	150	258.75
14	2000	Pink Roman Hyacinths.....	.....	60	120.00
15	500	.....	.....	70	35.00
16	750	Narcissus Campenelle.....	.....	25	18.75
17	1000	Narcissus Trumpet Major.....	.....	50	50.00
					964.50

Case **must** be marked also FRANCE.

Invoice of Holland Bulbs sold (or consigned) by.....
to..... 15 cases marked U. S., 1 to 15.

No. of Cases.	NAME AND VARIETY.	Quantity	No. of Bags.	No. in each Bag.	Value per 1000.	Total.
HYACINTHS.						
1	Amy.....	750	7	100	\$30.00	
	Fabiola.....	300	3	90	65.00	
	Alba Superbissima.....	500	5	100	52.00	
	Baron Von Thuylle, white ..	500	5	90	40.00	
2	Baron Von Thuylle, blue ...	600	6	90	38.00	
	Ida.....	100	1	100	85.00	
	La Pluie d'Or.....	500	4	100	46.00	
	Garrick.....	150	1	50	55.00	
3	Mixed Double.....	500	5	100	31.00	
	" " seconds.....	300	6	50	29.00	
	" " and single.....	300	3	100	32.00	
	Single and red mixed.....	300	3	100	36.00	
4	Single and blue.....	300	3	100	37.50	
	Double white.....	500	5	100	40.00	
	Double pink.....	100	1	100	39.00	
TULIPS.						
5	Artus.....	500	3	200	4.50	
	La Candeur.....	2000	20	100	5.00	
	Proserpine.....	500	10	50	17.00	
6	Double and Single mixed...	100	5	100	7.50	
	Early Single mixed.....	250	2	250	8.00	
	Late Double and Single mix.	250	4	250	5.50	
NARCISSUS.						
7	Biflorus.....	750	3	200	5.00	
	Trumpet Major.....	400	4	100	9.00	
	Von Sion Major, dble. nosed	300	2	150	18.00	
	single.....	200	2	100	14.00	
8	Scilla Siberica.....	1000	4	250	4.50	
	Galanthes Elwesii.....	3000	4	500	5.50	
	Fritillaria mixed.....	500	2	250	10.00	
	Snowdrops, double.....	2000	2	1000	6.00	
9	single.....	3000	5	600	4.50	
	Allium Moly.....	2000	4	500	5.00	
	Anemone, double.....	2000	4	500	6.00	

Invoice of 56 cases of Azaleas sold (or consigned) to.....
by..... 56 cases marked U. S. A., 1 to 56.

No. of Cases.	Quantity	VARIETY.	Size, Inches.	Value per 100 francs.	Total.
1	100	Mme. Van der Cruyssen	8-10	150	
2	90	.....	10-12	180	
3	75	.....	12-14	200	
4	50	.....	14-16	350	
5	50	..... specimen plants.	18-24	600	
6	100	Deutsche Perle.....	14-16	350	
7	100	Ponticum named, 10 to 15 buds.....	.....	125	
8	100	" " 15 to 20 ".....	.....	150	
9	100	Mollis mixed, 10 to 15 buds.....	.....	125	
10	100	" " 15 to 20 ".....	.....	150	

Each case to be marked with the name of the country from whence shipped: as Belgium.

pets and Paper Whites, \$2 and \$3; Romans, \$2 per 100; myosotis and stevia, 25 cents per bunch.

News Items.

W. W. Edgar, senior, the venerable father of our well known fern specialist, W. W. Edgar, of Waverly, died at the residence of his son on Tuesday, the 10th inst., aged 82 years.

The firm of Good & Waters, who have been acting as agents for the Crowl Fern Company, after a short but brilliant business career, have been obliged to close up.

William McGeary, who has been doing a little retail business on Tremont street, has given it up.

E. Sutermeaster, of Readville, brought in the first Von Sions of the season; they readily sold at \$1 per dozen.

Welch Bros. are handling some fine blooms of that beautiful white orchid, Dendrobium Formosum Grandiflorum, and also of other seasonable varieties, and are educating our New England retailers to appreciate the orchid as a cut flower.

The exhibitions of carnation and other novelties which have been a feature of great interest to growers in this vicinity during the last two years, having been held in the large selling room of the Boston Co-operative Flower Growers' Association, and under the auspices of the N. E. Florist, will this year be held under the auspices of the Growers' Association, on Saturday, February 25. Mr. Wm. Nicholson, of Framingham, president of the American Carnation Society, Wm. C. Stickel, of No. Cambridge, president of the Market Association, and Wm. S. Phelps, of Cohasset, are the committee who have charge of the arrangements. The Breck Cup and the Ward Cup will again be competed for, and the association will either give prizes or certificates of merit to winning exhibitors. P.

NEW YORK.

The Market.

Prices and business remain about the same as quoted last week. Spring flowers, that is to say, jonquils, tulips, narcissus and such flowers, are becoming prominent in the market; there is an abundance of poor Scotts, yet they bring a good price, and many of the special grades of carnations have the appearance of a long acquaintance with either icebox or cellar in country or town.

Beauties remain scarce; that is, the special grades, and it's beyond comprehension how the growers spoil so many of them in packing. We know very poor lights are used whilst packing in the early morning, and also that either very cheap labor or over-worked men are employed to do this work. If the growers would only stop to consider the value of a fine Beauty and how very easy it is to damage it,

more care would be used in their shipment.

Harrisias are becoming scarce again and at present bring \$2.50 per dozen. These lilies are like the "coming events which cast their shadows before." Lilies promise to be very poor and high priced this Easter. There is a vast amount of disease reported, not alone among Harrisias, but also among longiflorums. We have lots of flowers to talk about, but prefer to discuss them in the Retail Florists' Column next week.

What concerns the florists of every degree and grade in New York at the present is the influence of the swindling Greek. The case of the alleged fraudulent transfer of the Giatris business, with its barefaced and shameless trickeries, should be a warning to all. Cannot something be done to protect the hard-worked grower and wholesaler—yes, honest retailer, too—against these foreign swindlers who undersell everybody in the day time in order that they may have gambling money at night? Will American florists ever wake up?

Bowling.

The New York Florists' Bowling Club had one of their largest and most enthusiastic gatherings at the alleys Monday evening, January 17. It seems that the most stormy nights bring out the greatest crowds. It appears, too, that the jollier or more enthusiastic the crowd, the smaller the scores are, but no one regrets this, for florists, as a rule, have very little of the fun of life, and what do high scores amount to if there is a thorough enjoyment in these accumulations of pleasant hours? The average scores on this occasion were:

Hafner	130
Burns	150
Penman	112
O'Mara	167
Doran	130
Reickert	98
Traendly	112
Lang	152
Leuly	160
Fricken	129
Schenck	152
Guttman	117
Dent	160
Donlan	97

The club decided to issue a challenge to the Flatbush Florists' Bowling Club, to play a set of three games on the afternoon of February 13. This will be the date of the next meeting of the Florists' Club, and it is reasonably expected that everybody who is anybody will be there. The next we look for is a grand tournament among all the societies around here, or at least a brush with the Philadelphians.

IVERA.

ST. LOUIS.

The Florist Club.

The regular monthly meeting of the Florist Club took place Thursday afternoon, January 12, with eighteen members present, President Sanders in the chair, and proved a very interesting one. After the usual business

was transacted the application for membership of J. F. Windt was read for the first time. At this meeting the club had the giving of a scholarship to the Missouri Botanical Garden. Mr. Rudolph J. Mohr, late of Omaha and a member of the club, made application for the same. By unanimous vote of the club Mr. Mohr was given the scholarship. Mr. Carew Sanders announced that a World's Fair would be held in our city in 1903-4 and that the club should draw up a set of resolutions endorsing same, and invite the S. A. F. to meet in our city in 1903. The chair then appointed a committee of three to draw up resolutions, consisting of Carew Sanders, E. H. Michel and John W. Kunz. The merits of the new carnation Evanston and a new white seedling No. 2 by H. G. Ude were looked into. The committee reported the carnation Evanston a sport from Tidal Wave, grown by M. Weiland, of Evanston, Ill., an improvement over Tidal Wave, possessing all its good qualities, a perfect calyx, full flower and good stem being particularly noteworthy.

Seedling No. 2, white, grown by H. G. Ude, of Kirkwood, Mo.; perfect calyx, full flower, and appearance very promising and worthy of further trial. Mr. Ude is very much taken up with his seedling and expects great things from it.

The committee on resolutions presented the following resolutions regarding the World's Fair, which were adopted by the club:

Whereas, the St. Louis Florists' Club learns with pride and pleasure that our enterprising citizens and leaders in progress have secured for our city the celebration of the one hundredth anniversary or centennial of the Louisiana Purchase, which is to be commemorated by the holding of an International Exposition or World's Fair in our city in the years 1903 and 1904; and as it is to comprise not only of an exhibition of the developments of the arts and sciences, but especially of the industrial progress of our own territory and country, the manufacturing, the mineral and the commercial, and more than all these (because they feed us all), the Horticultural and Agricultural progress and advancement not only in our own and acquired territory, but throughout the world.

Therefore, be it resolved, that the St. Louis Florists' Club pledges itself by and through its membership, now and to come, that they will use their utmost endeavors and exertions to make the Horticultural and Floricultural features of said exposition as near and as much of a perfect success as it is within their power and scope to do; not only by their own local efforts, but they will endeavor to enlist the aid of the National "Society of American Florists" and any and all other clubs and kindred societies as well as individuals engaged in our own calling, throughout the length and breadth of the land, to co-operate with us and assist us in making this occasion the greatest and best exhibit of all Horticultural products the West, and better still, the whole country has ever seen.

The question box was then opened, the question that brought out the most discussion being, "Shall we have a flower show this year?" Mr. E. H. Michel, who spoke on this question, said by all means to have a show, but

on a smaller scale; do away with the charms of music and the elaborate program. To this the members would not agree. We had the greatest show of any city in the country, the finest place to hold one, a fine band, the finest programs, and we made thousands of friends. It's true we lost money, but only through bad weather, which seems to have followed every show given last year. If we are going to have a show this year, it must be as large, if not larger, in all respects than the last one, and with good weather we will make money and the public will be with us.

The entertainment committee reported everything in good shape for the floral euchre Friday night, January 20. All members present volunteered to donate something, and those that were not present are expected to do the same. Tickets are in the hands of all members, and indications point to a successful entertainment.

The treasurer's report showed the club to be healthy in a financial way. The meeting then adjourned to meet again on Thursday afternoon, February 9, at 3 p. m.

The Market.

Trade the past week was better, with plenty of stock coming in. Really good stock brings a fair price. All kinds of white flowers sold well, with demand great. Funeral work has kept us all busy the past week, excepting that one might say it's dull. Down town the West End florists have had a few large weddings to furnish.

Good Beauties are coming in better and in larger quantities, also a great many short stemmed ones that sell at from \$2 to \$4.

Brides, Meteors, Malds and Carnots are selling at about the same price as last week—\$5 to \$7 for fairly good stock; seconds, \$3 and \$4; good Perles and Woottons, \$4.

Carnations are plentiful, with no white left over; price runs from \$2 to \$4; Scotts and Daybreak, \$3 for the best.

Bulb stuff is moving well. Romans generally a glut at this time of the year and selling better than ever; also Paper Whites. Valley scarce at \$4. Harrisii and callas demand a good price. Harrisii \$15 and callas \$10 to \$12.

Violets are very plentiful. Californias sold as low as 40 cents per 100, double 50 cents, and small single 25 cents. There are more violets grown this year than ever before, which is the cause of so many being dumped by the commission men just now. Smilax seems to be selling slow and everybody has plenty at from \$10 to \$12.50.

Fred Foster has forsaken his wholesale business and again ventured in the retail line. This time it's on the northeast corner of 8th and Olive, under the Chemical building. He is again trying to undersell everybody in town.

The Bowling Club had a great time Monday night, ten members being in

Our 1899 Trade List

Will consist of 46 pages of accurate descriptions of valuable Florists' novelties and standard plants. It will be superbly illustrated with excellent reproductions from photographs of the leading novelties which are described therein, consisting of

50 NEW AND SCARCE GERANIUMS, comprising the latest productions of the English and French Hybridizers.

3 SEEDLING CARNATIONS of our own growing and one by Mr. Dorner, every one of which is a money-maker and unsurpassed in its class.

2 NEW CHRYSANTHMS of our own introduction, also the cream of the Novelties offered by other hybridizers in Chrysanthms and Carnations, as well as many new and valuable florists' plants, such as **NEW CALLAS, NEW PELARGONIUMS, NEW ABUTILONS, NEW ASPARAGUS, NEW ACALYPHA SANDERI, NEW DAHLIAS, CANNAS**, and many other valuable plants too numerous to mention.

THIS LIST WILL BE VALUABLE TO EVERY PLANT GROWER IN AMERICA. **WATCH FOR IT**, and don't fail to send us your name and address if you wish to keep up with the march of improvement in the plant trade.

THE COTTAGE GARDENS, QUEENS, N. Y.

Mention Florists' Review when you write.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

WANTED—A well experienced young lady for large florist establishment, must speak the German language. Apply to H. & R. Hilmers, 3907 Cottage Grove Ave., Chicago.

SITUATION WANTED—By an experienced rose grower, age 30, single: \$30 per month, with board. Address G., care of Florists' Review.

WANTED—Assistant with reference, in roses and carnations. Send copy of reference. Wages \$9.00 a week to start. J. A. Peterson, 105 E. Fourth Street, Cincinnati, Ohio.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAU, Springfield, Ill.

FOR RENT OR SALE—First class retail stand. 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

SEE HERE!! You can make 25 per cent. net if you buy four acres irrigated garden land in thriving village. Large, new greenhouses. Selling reasons: rheumatism and lung trouble. Address Geo. Comings, Penn Yan, N. Y.

SITUATION WANTED—Young married man, age 26 years, with 10 years' experience in growing palms, ferns and pot plants, desires position with good, responsible firm. Best of references furnished. Address K. L., care of Florists' Review.

WANTED—By an up-to-date florist and decorator, situation in a first class store in large city, can furnish the best of references. Address Artist, care of Florists' Review.

SITUATION WANTED—By young man, 5 year's experience in commercial work. Address A. A., care of Florists' Review.

SITUATION WANTED—As foreman by a skillful rose and carnation grower and all around man; sober and reliable; 10 year's experience; age 36; married; best of references. Address Florist, care of Florists' Review.

SITUATION WANTED—As gardener on private place. Understand fully care of all trees, shrubs and hardy plants. Last employer (for 4 years) was Mr. W. C. Egan, Highland Park, Ill., to whom I refer as to ability and character. Address S. Dahlgren, Highland Park, Ill.

SITUATION WANTED—As working foreman, first class grower of roses, carnations, mums, etc. 18 year's experience. Best reference. Married. Address H., care of Florists' Review.

SITUATION WANTED—By good rose, carnation and violet grower. Good references. Address A. K., care of Florists' Review.

SITUATION WANTED—As foreman or section man in commercial rose establishment. Ten years' experience around Chicago in these positions. For last two years in charge of the South Park Floral Co's plant at New Castle, Ind. At liberty Feb. 1st. Wages expected, \$18.00 per week. Wm. Dittmann, New Castle, Ind., in care of South Park Floral Co.

Always mention the Florists' Review when writing advertisers.

January Price List-1899

CARNATION ROOTED CUTTINGS NOW READY.

Rebacco, seedling by Dorner, fancy, stem as long as Pingree and bloom same size, yellow, brown, splashed light pink, fine per 100 \$5.00
Argyle, fine dark pink 4.00
Tidal Wave, discarded for Argyle.
Empress, one big crop 4.00
Evelina, best paying white we have 3.00
Mayor Pingree, large cream 1.50
Gold Nugget, best yellow, but small 6.00
Painted Lady 3.00
Psyche, variegated 3.00
Mrs. G. Bradt, a dandy 4.00
Flora Hill, big white 1.50
Daybreak, shell pink 1.50
Triumph, big pink 1.50
Jubilee, scarlet 1.50
Above are all healthy, strong, rooted cuttings, up-to-date bloomers.
Estimates given on 1,000 to 50,000 lots.

September Rooted 2 1/4 -in. Pot Plants, Per 100

New Coleus, Brownia, a fine bedder \$5.00
Velvet Plant, big seller 3.00
Geranium, DeRoo Mitting, a cross between S. A. Nutt and Cloth of Gold, foliage like Cloth of Gold and bloom like S. A. Nutt, double, per plant \$5.00 each.
Geranium, Mme. Sallerai 2.00
Geranium, fancy foliage, 6 varieties 3.00
Geranium, White, White Swan, Hermine, La France, Mrs. G. M. Gaar, Cts. de Harcourt, Alpine Beauty and Mme. Rozain 2.00
White Geraniums, in 500 and over lots 1.00
Feverfew, Little Gem 2.00
Southern Thyme 2.00
Salvia, 3 good varieties, Clara Bedman, Le President and Vernon 2.00
Abutilons, Souv. de Bonn and Triumph de Louvii 2.00
Smilax 1.00
Heliotropes, White Lady, Albert Dix and Czar 2.00
Ivy Geraniums, mixed 2.00
Coleus, up to date, 14 varieties 2.00
Mesembryanthemum Erectum 5.00
Begonia Erferdi, in bloom 2.00
Begonia Sandersonii, in bloom 2.00
Begonia Hybridi, in bloom 2.00
Begonias, flowering, 20 varieties, our select'n 2.00
Five plants at 100 rates. Spot cash.

SEEDS.

Pansy—Mitting's, giant flowering, 1/4 ounce, \$1.00
Verbena—Mammoth, mixed 1/4 ounce, 1.00
Asters—Perfection, separate colors 1/4 ounce, 1.00
Primula Obconica, trade packet, 25c, 50c and 1.00

The Morris Floral Co.

MORRIS, ILL.

Mention Florists' Review when you write

Always Mention the....

Florists' Review

When Writing Advertisers

Hot-Bed

Sash.

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3 ft. x 6 ft., 3 rows 10 in. glass.
3 ft. 3 in. x 6 ft., 4 " 8 in. "
4 ft. x 6 ft., 5 " 8 in. "

Not glazed, 1 1/4 in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,

Lockland, Ohio.

The MODEL Extension Carnation Support.

Read what some of our best growers say concerning it.

Flatbush, Brooklyn, N. Y., Feb. 18, 1897.
Mr. Theron Parker. Dear Sir:—Your wire stake is certainly a gem. Without hesitating we endorse it as an up-to-date Carnation Support. Yours truly,
DAILEDLOUZE BROS.

Other testimonials will appear weekly. Write for prices.

THE MODEL PLANT STAKE CO.,
22 Morton Street. Brooklyn, N. Y.

Mention The Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

THE NEW FANCY CARNATION ...SANDUSKY...



THE COMING ALL 'ROUND VARIEGATED CARNATION. Tested four years. Flowers from 2 1-2 to 3 1-2 inches. The engraving shows a flower one-half natural size. Early and continuous throughout the season. The color being a pearly white ground, petals bordered with carmine flakes and pencillings from 1-4 to 1-2 inch deep, which show up distinctly. Good substance and keeper. Different from any other variegated carnation sent out. A strong grower, robust and bushy, somewhat like Portia, flowers and stems above the foliage. Stems 16 to 24 inches long, heavy and strong. Calyx large and perfect; never bursts. Never had rust.

....ROOTED CUTTINGS....

\$2.00 per dozen; \$10.00 per hundred; \$75.00 per thousand.

W. E. HALL, Clyde, Ohio.

Mention The Review when you write.

CHICAGO.

The Market.

Demand has very materially improved, especially for shipping, and there is a scarcity all along the line except of colored carnations and violets. Of the last two there seem some little more than enough, especially of violets. Prices have stiffened generally, even bulb stock showing an improvement. White flowers are in much the best demand and the shortage in Bride roses and good white carnations is very marked.

The dealers all feel that the market has now struck a good steady gait and that a good season is fairly open.

Horticultural Society.

The annual meeting of the Horticultural Society of Chicago was held at the Sherman House last Saturday afternoon.

The entire staff of officers was re-elected as follows: Wm. H. Chadwick, Pres.; Edw. G. Uihlein, 1st Vice-Pres.; H. G. Selfridge, 2nd Vice-Pres.; E. Wienhoeber, 3d Vice-Pres.; Wm. C. Egan, Sec'y; W. N. Rudd, Ass't Sec'y and Treas. The entire board of ten directors was re-elected, and J. C. Vaughan, O. P. Bassett and G. L. Grant were re-elected members of the executive committee.

Five new members were elected.

The report of the treasurer showed that the receipts for the year (including old balance) were \$8,230.66, and expenditures \$6,921.57, leaving a balance on hand of \$1,309.09. Of the receipts \$5,456.48 were received on account of the annual exhibition, the expenses of which were \$6,484.49, making the exhibition account for last year show a deficit of \$1,028.01. Of the exhibition receipts \$3,427.00 was from the box office, \$1,532 from special premiums and the remainder from miscellaneous sources. The annual dues from members are now payable and these will bring the credit balance up to about the same amount as last year.

F. J. Lemoyne and W. C. Egan were appointed a committee to audit the accounts of the treasurer.

As an expression of appreciation of the very valuable services of Mr. W. N. Rudd as superintendent of the exhibitions he was presented by the society with a very handsome and valuable diamond ring. The presentation was made by Vice-President Uihlein in a short address which was feelingly responded to by Mr. Rudd.

There was some little discussion of the project to secure the Auditorium for the exhibition next fall, and the executive committee was authorized to secure it if the step seemed wise to them. As the rent will probably be not less than \$3,500 for the week the matter will be very carefully considered before definite action is taken. It would be a grand place for the show.

[Continued Page 190.]

REINBERG BROS.

Wholesale Growers of
Cut Flowers

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.

51 Wabash Ave., CHICAGO

Mention The Review when you write.

S. B. WINTER,

L. P. KELLY, Manager.

Telephone Main 4508.

Consignments Solicited.
Quick Sales and Prompt Returns.
Special attention given to out of town orders.

Wholesale Commission Florist

19 & 21 Randolph St., Chicago, Ill.

And Dealer in **FLORISTS' SUPPLIES.**

Mention The Review when you write.

Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of and Dealers in **CUT FLOWERS**

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.

Linck
WHOLESALE FLORIST
19-21
E. RANDOLPH ST.
CHICAGO

Our prices are as low as any
and our stock superior.
We ask for a trial order.

Mention The Review when you write.

A. L. RANDALL

Telephone
1496

R

Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better prepared than ever to handle your orders.
Mention The Review when you write.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.

Mention The Review when you write.

600,000
FEET
OF
GLASS.

Wholesale Price List.

AMERICAN BEAUTY

Extra long stem..per doz.	\$5.00
24-inch stem.....	4.00 to \$5.00
20 " " " " " "	3.00
15 " " " " " "	2.00
12 " " " " " "	1.50
8 " " " " " "	1.00

METEOR.....per 100,

6.00 to \$8.00

BRIDESMAID....." 6.00 to 8.00

BRIDE....." 6.00 to 8.00

PERLE....." 5.00 to 6.00

CARNATIONS....." 1.50 to 2.00

" fancy....." 3.00

Roman Hyacinths... " 2.00 to 3.00

Quotations subject to change without notice.

All other stock at lowest market prices.

No charge for packing.

C. A. KUEHN

WHOLESALE
FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.

Mention Florists' Review when you write.



ST. LOUIS
Cut Flower Co.

Wholesale Florists,

1322 Pine St.,

ST. LOUIS, MO.

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ELLISON & TESSON,

WHOLESALE SHIPPING

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

...Home Grown Stock...

Mention The Review when you write.

C. W. WORS,

2740 Olive Street, - - ST. LOUIS, MO.

Flowers at Wholesale

ROSES, and a full line.

Headquarters for the Southwest.

Mention The Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES,

88 Wabash Avenue, ^{Rooms 22 and 23.} Long Distance Telephone ^{Express 486.} CHICAGO, ILL.

CHOICE FLOWERS AT LOWEST MARKET RATES.

New Carnation Evanston.

A Scarlet
Tidal Wave.

We offer Rooted Cuttings of this fine **NEW SCARLET CARNATION**, which is, in our opinion, the best scarlet carnation in existence. After a three years' trial it stands at the head as a money-making commercial sort, the blooms of extra quality and produced with great freedom throughout the whole season. The color is a clear, brilliant scarlet, the growth strong, clean and robust. No scarlet carnation will give more satisfaction or better returns than EVANSTON.

Rooted Cuttings, \$7.00 per 100, \$60.00 per 1,000. 500 at the thousand rate. Orders booked now.

These cuttings are being grown by and may be obtained from
M. Weiland, Evanston, Ill.; John Weiland, Evanston, Ill., and John Didier, Rogers Park, Ill.

Mention Florists' Review when you write.

F. F. BENTHEY, MANAGER.

BENTHEY & CO.,

Wholesale and Commission
FLORISTS,

41 Randolph Street, CHICAGO.

Consignments solicited.

Mention Florists' Review when you write.

HOLTON & HUNKEL Co.

Wholesale Florists
And Florists' Supplies.

Phone 874. WIRE DESIGNS—OUR OWN MAKE

457 Milwaukee St.

P. O. Box, 103. Milwaukee, Wis.

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Cincinnati

W. A. MANN.
FRANK W. BALL.

Cut Flower Co.

416 Walnut St. Wholesale Florists
CINCINNATI, O.

Consignments Solicited.

Special Attention Given to Shipping Orders.

Mention Florists' Review when you write.

Max Rudolph

WHOLESALE FLORIST,

11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.

CONSIGNMENTS SOLICITED.

Mention The Review when you write.

Maplewood Cut Flower and Plant Co.

GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We
have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.

Greenhouses: Pleasant Hill, Mo.

Mention The Review when you write.

Palms and Ferns...

WE HAVE A LARGE STOCK IN FINE CONDITION.
We guarantee safe arrival if shipped by Express.

CORRESPONDENCE SOLICITED.

Ellis & Pollworth, - Milwaukee, Wis.

Mention The Review when you write.

ORCHIDS....

CATTLEYA FLOWERS of finest quality always on hand. Orders from unknown parties must be accompanied by cash. Orders taken now for **Cattleya Labiata Plants**, spring delivery.

Lager & Hurrell, Growers and Importers.... Summit, N. J.

Mention Florists' Review when you write.

PANSIES WORTH RAISING

Good Small Plants from cold frames or greenhouse only, at \$4.00 per 1000. All others not accessible at present. Cash with order. SEED as usual.

C. SOLTAU & CO., 199 Grant Ave., Jersey City, N. J.

Mention The Review when you write.

Palms, Ferns and House Plants:

AND HOW TO TREAT THEM.

A New 16-page Envelope Size Catalogue to be given to customers.

It will gain business for you. SAMPLE FREE.

Dan'l B. Long, Publisher, Buffalo.

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ANTON SCHULTHEIS, P. O. Box 78...
College Point, Queens Borough, N. Y.
HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity

Come, see Ericas (Heather), also Full
and convince yourself. Line of Other Flowering Plants
Price List on Application.

Mention Florists' Review when you write.

NEPHROLEPIS Fine, Strong,
CORDATA 3½-inch plants,
\$7.50 per 100.
COMPACTA. 4-inch plants,
\$15.00 per 100.
Cash with order.

H. HILMERS,

Box 650. BLUE ISLAND, ILL.

Mention The Review when you write.

GERANIUMS

Grand bedders
Acteon, Bruantii,
Heteranthe, La
France, L. Kel-
way, Theocrite, Cts. de Castries and a host of
other double and single. Rooted Cuttings, \$1.40
per 100; \$10.00 per 1000. Replanted extra strong,
\$13.50 per 1000. **COLEUS**. Red Verschf. and G.
Bedder, by mail, 75c per 100. 25 Select Fancy, 65c
per 100. Full list of stock ready. Cash with order.

DANIEL K. HERR, - Lancaster, Pa.

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Always mention the Florists' Review when writing advertisers.

E. H. HUNT

THE "OLD RELIABLE" FOR

Wholesale
Cut Flowers

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention Florists' Review when you write.

A vote of thanks to the judges at the last exhibition was unanimously passed.

The executive committee was authorized to hold a spring exhibition in 1900 if deemed best by them.

Various Items.

Henry Wietor, of Wietor Bros., and C. M. Dickinson of E. H. Hunt's, are on the sick list.

A. C. Kohlbrand's wife is much improved and an early recovery is looked for.

A. G. Prince has gone to South Randolph, Vt., to attend the funeral of his father, who died Jan. 12, aged 77 years. He will remain east several weeks.

A. B. Silliman, Ardmore, I. T., was a visitor this week. He shipped large quantities of mistletoe north for the holidays.

The Risch & Weiland Floral Co. will soon build a range of nine houses, each 25x150, at Evanston. The houses will be fitted with the Improved Challenge Ventilating Apparatus.

Mr. J. A. Evans, of the Quaker City Machine Co., Richmond, Ind., was a visitor on Wednesday.

Bowling.

The first games of the prize series were played at the alleys last Friday evening. Geo. Asmus won both the prizes, with an average of 160 and high score of 186. The prize for high score was a bunch of magnificent blooms of Mrs. Jas. Dean carnation, that for high average was a pair of sky-blue trousers filled with straw and with original decorations, which caused much merriment. Following are the scores and averages:

	1st.	2nd.	3rd.	4th.	av.
G. Asmus ..	162	161	186	132	160
G. L. Grant ..	168	155	128	117	142
John Zech ..	140	142	...	...	141
F. Stollery ..	130	139	146	143	139
C. Balluff ..	109	129	143	134	129
G. Stollery ..	123	104	164	116	126
A. Lange ..	...	128	114	136	126
J. S. Wilson ..	129	101	102	171	125
E. Winterson ..	105	113	120	143	120
C. McKellar ..	125	117	126	95	115
J. Degnan ..	126	113	109	104	113
J. Hartshorne ..	125	109	110	104	112
H. C. Rowe ..	110	92	123	121	111
P. J. Hauswirth ..	105	130	97	98	107
A. Henderson ..	105	98	97	116	104
W. Kretling ..	85	89	98	125	99

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W

TOR

BROS.

51 Wabash Avenue, Chicago.

Wholesale Price List.

Am. Beauty, extra long stem, per doz.	\$8.00
" 24-in. stem	4.00-5.00
" 20-in. "	3.00
" 15-in. "	2.00
" 12-in. "	1.50
" 8-in. "	1.00
Meteor per 100,	\$8.00 to 8.00
Bridesmaid.....	6.00 to 8.00
Bride	6.00 to 8.00
Perle	5.00 to 6.00
Carnations	1.50 to 2.00
" fancy	3.00

All other stock at lowest market prices.
No charge for packing.

WHOLESALE
GROWERS OF

Cut Flowers

We Are Headquarters for...

AMERICAN BEAUTIES,

of which we cut from 2,000 to 3,000 daily. Our Brides,
Meteors, Maids and Perles were never better.

OF CARNATIONS

we grow 50,000 plants of all the leading varieties, and
they cannot be surpassed.

Mention The Review when you write.



BABY PRIMROSE.

THE NEWEST THING FOR
EASTER BLOOMING.

Flowers in thumbpots; grows rapidly, will fill a 6-inch pot by Easter and carry 50 to 100 sprays of rosy flowers 10 to 15 inches long—last four weeks when cut. Wholesale at \$2.00 per 100. Grows finely in cool house. 12 for \$1.25 by mail; 100 for \$8.00 by express.

NEW, FRAGRANT, \$1,000 CALLA.

The fragrance of violets and lilies; very dwarf and free bloomer. \$3.00 to \$12.00 per 100; \$1.00 to \$2.00 per 12, mailed.

ASPARAGUS SPRENGERI.

2-inch, \$1.00 per 100 by express; 24 for \$1.50 by mail.
3-inch, 7.00 " " " 24 for 2.50

A. BLANC & CO., - PHILADELPHIA.

Mention Florists' Review when you write.

100,000 VERBENAS,

THE CHOICEST
VARIETIES
IN CULTIVATION....

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.
ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention The Review when you write.


{ No Rust or Mildew.
Packed Light and
Satisfaction Guaranteed.

A \$30,000 CARNATION!

During the past week the daily press of the country has been printing some very remarkable news about the alleged sale of the Mrs. Thos. W. Lawson carnation. First it was reported that \$6,000 had been offered for the stock, then \$7,000, then \$15,000, and the last item doubles this and says a sale was made at \$30,000. We hope it is all true, for the raiser is surely entitled to a good, round sum, but so many facts are mixed in the reports that we shall await definite information from Mr. Fisher before believing that any sale has been made.

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FLORISTS BOXES



241-247 S. JEFFERSON ST.
CHICAGO, ILL.

Always mention the Florists' Review when writing advertisers.

Vaughan, McKellar & Winterson

NEW CARNATION EVANSTON

We are offering Rooted Cuttings of this Grand New Scarlet Carnation, the merits of which can not be doubted, as it is receiving the hearty endorsement from both the Growers and Wholesalers. We have handled the cut of Mr. J. Weiland for past two years, of this as well as other varieties, and have found it always a ready seller and one that was appreciated by buyers in preference to any other scarlet on the market.

CUT FLOWERS.

ROSES.

Am. Beauties, select....per doz.	\$4.00 to \$6.00
Am. Beauties, medium..	2.00 to 3.00
Am. Beauties, short....	1.00 to 2.00
Brides, Maids, Meteor...per 100,	5.00 to 7.00
Kaiserin, La France....	5.00 to 7.00
Perle	3.00 to 5.00
Roses, our selection....	3.00 to 4.00

CARNATIONS.

Fancy Stock.....per 100,	\$2.00 to \$3.00
Ordinary Stock.....	1.00 to 2.00

MISCELLANEOUS STOCK.

Violets.....per 100,	.75 to 1.00
Valley.....	4.00 to 5.00
Narcissus	3.00 to 4.00
Romans	2.00 to 4.00
Callas	15.00 to 20.00
Harrisii	15.00 to 20.00
Bouvardia.....	1.00 to 2.00

Above prices subject to change without notice.

Decorative Stock.

Wild Smilax, parlor brand	\$3.75
" medium case.....	5.50
" large case.....	8.00
Asparagus Plumosus...per doz...	\$3.00 to 8.00
string .....	.50 to 1.00
Smilax	per doz., 1.50 to 2.00
Adiantum Ferns.....per 100,	.75 to 1.00
Common	per 100, .15
Galax Leaves.....	per 1,000, 1.50
Farleyense Fronds.....per doz.,	1.00

We carry a good stock of above always on hand and can fill orders promptly.

**Vaughan, McKellar
& Winterson,**
45--47--49 Wabash Avenue,
CHICAGO.



The following testimonial from one of our LEADING GROWERS should have a great deal of bearing with growers of Carnations:

Mr. JOHN WEILAND, Evanston, Ill. Dear Sir:—In reference to the new Carnation "Evanston," which is being introduced this season, would state that I have grown a bench of this variety for the past year and have been better impressed with it than with any new carnation that has as yet been introduced, for scarlet, and intend the coming season to grow this variety for our leading scarlet, as in my estimation this variety will fill a long felt want in the market; namely, a good scarlet carnation, with good, thrifty habits and a strong producer. The "Evanston" is one that will surely fill these wants, and is one that will find ready sale wherever introduced. I consider it superior in all respects to any of the other twenty leading varieties which I now grow. I heartily endorse it to all carnation growers as a sure money-maker. Yours very truly, PETER REINBERG.

Give us your order now. Rooted Cuttings, \$7.00 per 100, \$60.00 per 1000
500 at the thousand rate.

Mention The Review when you write.

REED & KELLER,

122 W. 25th St., NEW YORK CITY.

Manufacturers of WIRE & DESIGNS
and Dealers in

FLORISTS' & SUPPLIES

Mention Florists' Review when you write.

Brilliant Green and Bronze
Galax Leaves

CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.

Mention The Review when you write.

VERBENAS Rooted Cuttings, Well Rooted.

Mrs. Cleveland, Candidate, Aurora Borealis, J. C. Vaughan, Suppola, Miss Arthur, Crimson Bedder, Pink Beauty, Francis, Negro, Swayne's Beauty, Invincible. Per doz., 15c, 70c per 100, \$6.00 per 1000, \$25.00 per 5,000, \$45.00 per 10,000. Express prepaid to all parts of the U. S. and Canada.

S. T. DANLEY, - - Macomb, Ill.

Mention The Review when you write.

Roses.

200,000
Fine, Healthy
Young Plants,
in 2½-inch
pots.

Cheap for Cash. Send for list and prices.

R. H. Murphey, Urbana, O.

P. O. Box 262

Mention Florists' Review when you write.

F. & F. NURSERIES, SPRINGFIELD, NEW JERSEY

Wholesale Growers TREES and PLANTS in Full Assortment.TRADE CATALOGUE FREE.

Mention The Review when you write.

SAMUEL S. PENNOCK, WHOLESALE FLORIST

OPEN DAY AND NIGHT—From 12 A. M., Mondays to 10 P. M., Saturdays.

A constant supply of **SELECT VALLEY** the year round.
AMERICAN BEAUTIES OUR SPECIALTY.

1612-14-16-18 Ludlow St., Philadelphia, Pa.

Mention Florists' Review when you write.

WESTERN PENNA. HEADQUARTERS FOR EXTRA FANCY STOCK.

PITTSBURG CUT FLOWER CO., Ltd.

705 Penn Avenue, PITTSBURG, PA.

Long Distance
Phone 2157.

Wholesale Florists.

Write for Price List.
Consignments
Solicited.

Mention The Review when you write.

PHILADELPHIA.

Owing to the dull weather of the past few weeks the demand exceeded the supply of cut flowers, and some of the store men were obliged to go out and hunt up stock to fill what orders they had already taken, this being a very rare occurrence.

Galax was used quite extensively in making up.

The plant trade has been very quiet the past week in both flowering and foliage stock; however, this has caused little or no anxiety among the store men, such being generally the case for a few weeks after the holidays. Some of the leading store men claim that this substantiates the fact that the plant is becoming more popular every year as a Xmas gift.

J. Otto Thilow has just survived from a severe attack of la grippe and is now able to resume duty.

Robert Crawford and family have returned home after a few days' sojourn in Atlantic City.

Among the recent visitors in town was Mr. E. G. Hill, of Richmond, Ind., on his way home after an extended trip through the east. Accompanied by the Duke of York (Edwin Lonsdale) he made a tour of some of the principal establishments of Philadelphia and vicinity.

President Gude and brother were also recent visitors. We are informed they intend putting up more glass.

R.

SOCIETY OF AMERICAN FLORISTS.

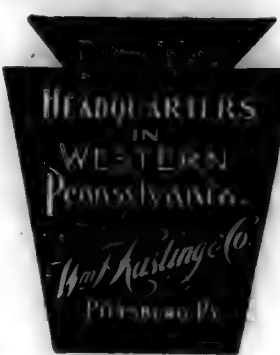
Plant Registration.

M. H. Walsh, Woods Holl, Mass., registers new hybrid tea rose, Lillian Nordica. A cross between Margaret Dickson and Mme. Hoste. Color pure white; buds long and borne on long stems; flowers large, double, and with strong tea fragrance; foliage dark green and profuse; growth vigorous; plant perpetual bloomer and is hardy at Woods Holl.

WM. J. STEWART, Secy.

ROSES,
Carnations,
VALLEY,
FERNS,
GALAX and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

Consign-
ments of
good stock
solicited.



We get
daily new
customers
because
we have
the
reputation
that
all orders
are
punctually
filled.

Long
Distance
Telephone
2955.

WM. F. KASTING & CO., F. STOKES,
Wholesale Florists. 444 Sixth Ave. Manager.

All kinds of FLORISTS' SUPPLIES and
WIRE DESIGNS on hand.

Mention Florists' Review when you write.

KELSEY'S SOUTHERN

Galax Leaves

Brilliant Green and Bronze.

Information of the Introducer,

HARLAN P. KELSEY,

Prop. Highlands Nur- 1106 Tremont Bldg.,
sery in North Carolina. BOSTON, MASS.

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Cut Flower Exchange,

404 - 412 East 34th St., New York,

NEAR THE FERRY.

Open Every Morning at 6 o'clock for the sale of
CUT FLOWERS.

Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

Mention The Review when you write.

E. G. Hill & Co.

Wholesale
Florists,

RICHMOND, - INDIANA.

Mention The Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

GIVE US
A
TRIAL.
WE CAN
PLEASE
YOU.

Roses,
Carnations
and all
kinds of
Seasonable
Flowers
in stock.



WM. F. KASTING, Wholesale Com-
mission Florist,
495 Washington St., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire
Designs.

Mention Florists' Review when you write.

WM. J. BAKER,

WHOLESALE
CUT FLOWERS,

1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

Mention The Review when you write.

WM. C. SMITH

Wholesale Florist,

1604 Ludlow St. PHILADELPHIA.

LONG DISTANCE PHONE.

Consignments of Choice Stock Solicited.

Our central location enables us to fill out-of-town or-
ders at short notice.

Mention Florists' Review when you write.

EDWARD REID,

Wholesale
Florist,

1526 Ranstead St., PHILADELPHIA, PA.

Mention The Review when you write.

Seasonable Seeds, Etc.

Clematis Paniculata, 75c per ounce. Ampelopsis
Veitchii, Wistaria Magnifica (Blue), Hibiscus
Crimson Eye, best named Dwarf Cannas, each 25c
per ounce. 25,000 best French Bedding Cannas
Roots, \$2 per 100. Double New Life Geranium,
2½-inch, 75c per doz. Weeping Lantana, 2½-in.,
50c per doz.

BENJ. CONNELL,
Florist.

West Grove, Pa.

Mention Florists' Review when you write.

Rose Hill Nurseries.

Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

Largest stock in America.

SIEBRECHT & SON,

New Rochelle, N. Y.

Mention Florists' Review when you write.

Bassett & Washburn's

ROOTED CUTTINGS OF

ROSES AND CARNATIONS

Are as Good as can be Grown and Free from Any Disease.

We shall Have a nice lot of PLANTS later.
Place your orders early if you wish the best.

We Guarantee what we say.
Orders filled in rotation.

BASSETT & WASHBURN,

Greenhouses and Residence,
HINSDALE, ILL.

Long Distance 'Phone No. 10.

Store, 88 Wabash Avenue,
CHICAGO, ILL.

Long Distance 'Phone Main 223.

Mention The Review when you write.

CHEAP

A remarkably fine lot of **Argentic Guttata Begonias**, from 3½-inch pots, in splendid shape for immediate sales. They are now ready for a 5-in. shift. Price, **\$3.00** per 100.

Also the following:
Rex Begonia, from 3½-in. pots, magnificent plants, **\$4.00** per 100.
Abutilon, red, yellow and white, from 2-in. pots, **\$2.00** per 100. Cash please.

Edward B. Jackson, Stamford, Conn.

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THE HARRISII DISEASE can be prevented by immersing the bulbs for 5 hours in a half solution of

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This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills **Hard Shelled Scale, Mealy Bug**, and other insect pests without injury to the plant. Send for circular.

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ROSES.

	100	1000
Meteor	\$1.50	\$12.50
Bridesmaid	1.50	12.50
Bride	1.50	12.50
Perle	2.00	17.50
Kaiserin	2.00	17.50

CARNATIONS.

PINK.

	100	1000
Triumph	\$1.50	\$12.50
Wm. Scott	1.00	7.50
Painted Lady	4.00	35.00
Daybreak	1.50	12.50
Argyle	4.00	35.00
Mrs. Frances Joost	5.00	50.00
McBurney	1.50	12.50

RED.

Dazzle	4.00	35.00
Jubilee	2.00	17.50
Portia	1.00	7.50
Bon Ton	4.00	35.00

MAROON.

Empress	4.00	35.00
---------------	------	-------

WHITE.

Flora Hill	1.50	12.50
Mary Wood	5.00	40.00

The largest and best White Carnation that is grown. Has a strong stiff stem and a constant bloomer. Sell in the market to-day for nearly double any other White Carnation we handle.

Evelina	4.00	35.00
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VARIEGATED—White and Red.

Mrs. Geo. Bradt	5.00	40.00
Psyche	4.00	35.00
Armazindy	2.00	17.50

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Mayor Pingree	2.00	17.50
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LIVINGSTON'S TRUE BLUE Tomato Seeds

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IT WILL TELL YOU just what you want to know in just the way you want to be told.

Send in your
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Price, **\$5.00**

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Always mention the Florists' Review when writing advertisers.

MADISON, N. J.

Morris county gardeners and florists held their regular meeting in Masonic Hall, Madison, on Wednesday night. The retiring officers were re-elected, as follows: President, W. Duckham; secretary, C. H. Atkins; treasurer, W. Charlton; the only change being C. H. Totty in place of J. Jones as vice-president. H. W. Gibbons, R. McMullin, J. E. Lager and D. Carlyle were elected to fill the four vacancies on the general committee.

The secretary presented his report, which gave 65 members in good standing. The treasurer reported all liabilities liquidated and a balance of over \$500 to the society's credit in the bank. J. Jones was awarded eleven points for an exhibit of carnations and received a high commendation for his violets, with special mention of the Farquhar violet. As exhibited by Mr. Jones, it was superb, far ahead of Marie Louise from the same house and in truth the largest, most double and most beautiful bunch of violets we had ever seen. It was decided to have a banquet, as last year, and a committee was appointed to arrange for its being held at an early date.

Mr. E. Reagen was to have given a talk on "Leaves and Their Functions," but owing to the time involved in elections and reports of officers, insufficient time remained, so the subject will come up at the next meeting.

A. H.

ORANGE, N. J.

The annual banquet of the New Jersey Floricultural Society was held January 6 and was attended by about 60 members and guests.

Among the speakers were Patrick O'Mara, from the New York Gardeners' Association; William McMillan, superintendent of the Essex county parks; Dr. J. M. W. Kitchen, of East Orange; George Smith, of Orange; W. J. Stewart, of Boston; John Bartholomew, president of New York Gardeners' Association; J. H. Troy and Jas. T. Withers, of New York.

Before the dinner a meeting of the society was held, when the following officers were elected: President, Peter Duff; vice-president, John Hayes; secretary, Joseph Davis; treasurer, Geo. Smith.

After the meeting three bowling matches were played between the members of the Orange Society and the members of the New York Gardeners' Association and the Orange boys succeeded in winning two games out of the three.

JUST AFTER last issue was printed we received instructions from J. M. Thorburn & Co. to omit Roman hyacinths from their adv. It was unfortunately too late to do this. This explanation is made to those who may have ordered after bulbs were all disposed of.

Rooted Cuttings, Roses and Carnations...

We offer well Rooted Cuttings of the following Roses and Carnations, all in fine condition.

Place orders early.

Reinberg Bros.
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ROSES.

	Per 100	Per 1000
Meteor	\$1.50	\$12.50
Bridesmaid	1.50	12.50
Bride	1.50	12.50
Perle	1.50	12.50
Kaiserin	2.00	17.50

CARNATIONS.

	Per 100	Per 1000
Wm. Scott	\$1.00	\$7.50
Nancy Hanks	1.00	7.50
McGowan	1.00	7.50
Tidal Wave	1.00	7.50
Kohinoor	1.00	7.50
Portia	1.00	7.50
Flora Hill	1.50	12.50
Jubilee	1.50	12.50
Mayor Pingree	1.50	12.50
Triumph	2.00	17.50
Nivea	1.50	12.50
Daybreak	1.50	12.50
Armazindy	1.50	12.50
McBurney	1.50	12.50
Alaska	1.50	12.50
Argyle	4.00	35.00
Painted Lady	4.00	35.00
White Cloud	4.00	35.00
Evelina	4.00	35.00



Verberna King SAYS:

He's going to sell his fine Mammoth Verbenas, all well rooted, and true to name, until Jan. 25th, so get your orders in early, boys, as this is a SPECIAL at 60c per 100—\$4.00 per 1000—yes, and free from all diseases, and we guarantee satisfaction and safe arrival in every

way to all parts of the U. S. and Canada. Some people buy any old Verberna seed and then adv. them as New Mammoth. Don't be deceived in buying such, as any one should know better.

TESTIMONIAL.

C. HUMFELD: Bala, Pa., Dec. 27, 1898.
Dear Sir:—We told you last year when we sent you our order for 5000 Verbenas that we would be your customer this year if the Verbenas gave satisfaction. We must say they did. Enclosed please find \$20.00 for 5000 more.
Yours truly, DENNISON BROS.

HELIOtropes, 10 named vars., 80c per 100, \$8.00 per 1000. AGERATUM, Cope's Pet, blue and Lady Isabel, white, 50c per 100, \$4.00 per 1000. COLEUS, 4 best named varieties, 70c per 100, \$6.00 per 1000. FUCHSIAS, named vars., \$1.25 per 100. CARNATIONS, Wm. Scott and McGowan, \$1 per 100, \$9 per 1000.

Remember, we prepay mail and express charges on all Rooted Cuttings. That cash, please.

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The Rooted Cutting Specialist.

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GERANIUMS. S. A. Nutt, Marvel, and other standard varieties, 2-inch pots, \$2.00 per 100.

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CARNATIONS all sold.

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FORT WAYNE, IND.

50,000 Rooted Cuttings

	Per 100
Begonia Incarnata Gigantea	\$2.00
" Rex, mixed, Mrs. Pollock	2.00
" Rex, 30 named varieties	4.00
Coleus, 50 varieties	1.00
" mixed	\$5.00 per 1,000
" separate colors, 6.00 .....	.75
Ageratum, Geraniums, mixed	1.00
Geraniums, separate kinds	1.50
" bronze, lemon verberna	1.50
" silver leaf, rose scented	1.50
" Mme. Sallerii, Vinca var	1.25
Impatiens Sultana, assorted	2.00
Pelargoniums, assorted, named	4.00

POTTED PLANTS.

Begonia Incarnata Gigantea	2½-in. 4.00
" Rex, mixed	4.00
" Rex, 30 named varieties	6.00
Cinerarias, best strains	3.00
Asparagus Plumosa Sprengerii	6.00
Impatiens Sultana	3.00
Geraniums, Silver Leaf	4.00
Lemon Verberna	4.00
Forget-me-not, winter flowering	3.00
Vincas Var., 2-inch, 3-inch, extra	\$2.00 to 4.00

Write for prices on other stock or for large quantities. Terms Cash or C. O. D.

GREENE & UNDERHILL,
Watertown, N. Y.

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All Carnation Cuttings are sent out with the privilege of returning them at my expense if they are not found satisfactory on receipt and your money returned in full.

I have from 1,000 to 5,000 stock plants of each of the leading varieties, and offer Rooted Cuttings at very reasonable prices. Correspondence solicited.

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Pteris Tremula Ferns, 3-inch	5 cts.
Ampelopsis Veitchii, 2½-in., vines 2 ft., 4 cts.	
Hydrangea Otaksa, ready for 4-inch	5 cts.
" large	12 cts.

Rex Begonias, 3-inch 5 cts. || Rooted Cuttings of Carnations, Verbenas, Coleus, Vincas, etc., cheap. | |

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AMERICA. The largest and most perfect shaped scarlet Carnation produced thus far; producing immense quantities of its soft, scarlet flowers. Of extra robust growth, free in the production of bloom. A good commercial variety. Preliminary certificate A. C. S., at Chicago.

G. H. CRANE. (Dorner.) A long-stemmed bright scarlet, free, profuse, and constant bloomer. It comes into bloom early and yields both quality and quantity; stem long and stiff from the beginning to end of season. Tested three years and proved all right as a commercial variety. Certificate A. C. Society.

MELBA MAY AND GRAIG.

A grand combination of good qualities, free bloomer, early and continuous. In point of color the finest pink Carnation yet produced, large and perfect in form, very fragrant and with a long, stiff stem.

MAUD ADAMS. (Niquet.) Deep clear cerise of a very pleasing shade under any light; most attractive color of its class; a large, bold, handsome flower, with extra strong stem, 18 to 24 inches high; with good calyx and exceedingly free flowering.

Price for above four varieties, \$10.00 per 100, \$75.00 per 1,000.

E. G. HILL & CO.

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FELTHOUSE Wants Room.

Read this and let us hear from you.

Remember, our Geraniums are grown in flats and in soil. Our selection, \$1.50 per 100, \$12.00 per 1,000. Mme. Sallerot, same price and grown in soil. Rose Geraniums, \$2.00 per 100. Ageratum, blue and white, 60 cents per 100, \$5.00 per 1,000. Fuchsias, standard sorts, \$1.50 per 100, \$12.00 per 1,000. Fever Few, Little Gem, from flats and in soil, \$1.25 per 100, \$10.00 per 1,000. Salvia Splendens and Bedman, \$1.00 per 100. Heliotrope, six varieties, \$1.00 per 100, \$9.00 per 1,000. Vinca Variegata, cuttings, \$1.25 per 100, 4-in. stock, fine, \$8.00 per 100, \$50.00 per 1,000. Coleus, all the best varieties. C. Verschaffeltii and Queen, 75 cents per 100, \$8.00 per 1,000. Coleus, in variety, 60 cts. per 100, \$5.00 per 1,000. The above are Rooted Cuttings, except when noted.

Cash must accompany all orders.

J. E. FELTHOUSE, Schenectady, N. Y.

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Areca Lutescens,

COCOS WEDDELIANA,

KENTIA BELMOREANA,

LATANIA BORBONICA,

FOR PRICES AND SIZES

See Florists' Review, November 17th, page 660.

JOSEPH HEACOCK, Wyncote, Pa.

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OUR SPECIALTY!

Rooted Cuttings of
New Varieties of Carnations.

Special prices to those who issue lists or buy to sell again. Let us know what you are going to need.

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TUBEROUS ROOTED BEGONIAS AND GLOXINIAS...

Our strain of these important spring and summer flowering bulbs is the finest to be found in Europe. We make personal selections of these stocks when in flower and same must not be confounded with cheap, indifferent strains which are dear at any price.

SINGLE ROSE, Scarlet, White, Yellow, and Orange, 50 cents per doz., \$3.00 per 100, \$25.00 per 1000.

SINGLES IN CHOICEST MIXTURE, 40c per doz., \$2.50 per 100, \$20.00 per 1000.

DOUBLE ROSE, Scarlet, White, and Yellow, 75c per doz., \$6.00 per 100, \$50.00 per 1000.

DOUBLES IN CHOICEST MIXTURE, 60c per doz., \$5.00 per 100, \$45.00 per 1000.

GLOXINIA CRASSIFOLIA GRANDIFLORA, 50c per doz., \$4.00 per 100, \$30.00 per 1000.

FANCY LEAVED CALADIUMS, 30 choice varieties, \$2.00 per doz., \$15.00 per 1000.

HENRY A. DREER, 714 Chestnut St., Philadelphia.

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JUST RECEIVED FROM JAPAN

In Fine Condition:

LILIUM SPECIOSUM ALBUM, extra size, at	\$100.00 per 1,000
" " RUBRUM	60.00 "
" " MELPOMENE, extra size, at	100.00 "
LILIUM AURATUM, 7 to 9 inches, at	30.00 "
" " 9 to 11 "	50.00 "

J. M. THORBURN & CO., 36 Cortlandt St., NEW YORK.

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Burpee's Seeds Grow

The Cottage Gardens,

C. W. WARD, QUEENS, L. I.

WHOLESALE GROWERS.

FLORISTS' SPECIALTIES.

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Carnations.

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La Fayette, Ind.**

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1840 Old Colony Nurseries, 1899

**HARDY SHRUBS, TREES, VINES,
EVERGREENS and PERENNIALS.**

A large and fine stock of well-rooted plants, grown in a sandy loam. Good plants, best sizes for planting; very cheap.

Priced Catalogue free on application.

T. R. WATSON, Plymouth, Mass.

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First 2-in. pots of Woottons, Perles, Brides, La France and Meteors, ready for shipment Feb. 1st. Orders filled in rotation. Rooted Cuttings of all Roses ready Jan. 5th to 10th. Fancy Carnations Cuttings ready Jan. 25th. Write.

GEO. A. KUHLE, Pekin, Ill.

Long Distance Wholesale Cut Flowers.
Phone 14.

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Rooted Cuttings, Clean and Strong.

Heliotrope, blue and white, - - -	60c per 100
Ageratum, " " " " " " " "	60c "
Coleus, 12 best varieties, fine 2 1/2-in. plants, -	60c "
Lantana, 2 colors, - - -	\$1.50 "
Ageratum, - - -	1.00 "
Petunias, 4 fringed varieties, - - -	2.00 "
Coleus, 12 varieties, - - -	1.00 "

Delivered free. If not satisfied, your money back without discussion. (Reference: the Bank of Macomb.)

F. R. THORNTON, 607 E. Jefferson St., MACOMB, ILL.

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"CONTINENTAL LIMITED."

NEW FAST TRAIN EAST VIA THE WABASH.

Leaves Chicago daily at 12:02 noon; arrives Detroit 8:20 P. M., Buffalo, 5:00 A. M. New York 3:30 P. M., Boston, 5:50 P. M.—only one night on the road. Through sleeper. Ticket Office, 97 Adams Street, Chicago.

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WASHINGTON.

The Market.

The past week has been an extraordinary one for bad weather, rain, sleet and snow, causing a great scarcity in good stock. Everything was sold early at the market at good prices. Maids, Brides and Meteors brought \$10 to \$15; Gates and Perles, \$6 to \$8; extra fine La France were held at \$2 per dozen.

Carnations were plentiful and took quite a drop. The average stock that brought \$40 per 1,000 on Christmas just one week later went down to \$15 per 1,000. Fine violets went begging at 50 cents per 100, mostly shipped ones.

Harrisii and callas hold up well at \$1.50 to \$2 per dozen; valley not overplentiful at \$4 per 100. Romans can be bought at any price from \$1.50 to \$2.

Notes.

Demand for stock has been unusually brisk on account of numerous weddings and several large state dinners.

Several of our large growers are making preparations to build this spring.

A. Gude & Bro. have just returned from a week's trip among the northern growers.

H. Bayersdorfer, Philadelphia, and C. S. Elliott, New York, visited the trade this week.

F. H. KRAMER.

THE DEVIL'S WORK.

The dollar inclosed is hard-earned cash; we saved it to send to you, For we need the help for another year of The Weekly Florists' Review. Brother Grant—Where's the rub of these Mark Hanna times, why isn't "prosperity" here? Are the favored few plotting still greater crimes, can you give us no word of cheer?

We don't believe in a devil now as our fathers used to do; We have forced the door of every creed and let his majesty through. There isn't a print of his cloven foot, or a fiery dart from his bow, To be found in earth or anywhere because we have voted it so.

But who is mixing this fatal draught that palsies heart and brain, And loads the bier of each passing year with the poverty-stricken slain? What is blighting the bloom of our land today with this fiery breath of hell? If it isn't the devil—but it can't be he—perhaps William Scott might tell.

Who dogs our steps as we mope and toll and digs the pit for our feet? Who's now crushing freedom in the Philippines after Spain's inglorious defeat? The devil is voted not to be, and of course the thing is true; But who is doing this kind of work that the devil alone should do?

H. B. B.

[We confess to some surprise at the sentiments expressed by H. B. B. The general business situation has vastly improved during the past year, and especially during the last few months, and the florists are already beginning to feel the results. We are certain that the present season will show marked gains and that H. B. B. will share in the general prosperity. Ed.]

RHINEBECK, N. Y.—The violet business is still increasing here, several new houses going up each year, and the end is not yet.

FIRST QUALITY.

LOW PRICES.

Tuberous Begonia Bulbs

Single Red, White, Rose, and Yellow,
Per doz. 40 cts., hundred \$2.50, thousand \$23.
Double Red, White, Rose, and Yellow,
Per dozen \$1.00, hundred \$8.00.

Gloxinia Bulbs, mixed colors

Per dozen 65 cts., hundred \$4.50.

Buy from the introducers, the Improved Strain of

Vick's Branching Aster, white

The best late variety. Per ounce \$1.00.

* Queen of the Earlies or Early Market, the earliest of all asters. White or mixed colors 75c. per oz.

JAMES VICKS SONS,

ROCHESTER, N. Y.

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Carnation Seeds and Carnation Seedling Plants

From Hand Fertilized, Winter Blooming Varieties.

100 Seeds for 25 cents

100 Plants for \$4.00

Postage Prepaid.

25 Plants at 100 rate. Cash with order.

AMERICAN ROSE CO., WASHINGTON, D. C.

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New Carnation Argyle

Place your orders for rooted cuttings with the originators of this grand novelty. Price \$5 per 100; \$40 per 1000.

STOLLERY BROS., 1003 Carmen Avenue, CHICAGO.

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JUST ARRIVED from

FRANCE -- Roman Hyacinths, Narcissus, Freesias, etc.

JAPAN -- Lilium Longiflorum, all sizes. Crop short.

HOLLAND -- Hyacinths, Tulips, Narcissus, Crocus, etc.

CHINA -- Chinese Secred Lilies.

On hand:—Extra selected Lily of the Valley, 2,000 in a case \$24.00

From cold storage:—A fine lot of Araucarias.

State quantity needed and prices will be cheerfully given by

F. W. O. SCHMITZ, - - JERSEY CITY, N. J.

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Rooted Cuttings, Verbenas, Petunias,

Florists can save money by sending for my price list of Rooted Cuttings before placing their orders elsewhere.

Fine Stock Express Prepaid.

And Other Stock.

S. W. PIKE, St. Charles, Mo.

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FOR SALE. 1000 Poinsettias,

One- and two-year old dormant roots, or will EXCHANE FOR HARDY ROSES.

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1116 Hoyt Street, - SAGINAW, MICH.

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GREENHOUSE BUILDING.
VENTILATING APPARATUS
HOT WATER BOILERS, PIPES AND FITTINGS.
SEND FOUR CENTS FOR CATALOGUE.

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GEO. WITTBOLD,

Grower and
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Tropical Plants

1708 N. Halsted Street, CHICAGO.

Established 1857.
Phone Lake View 136.

If you want any goods in our line we can give the very best of satisfaction in every respect. We want your future trade and know a trial order will make you a regular customer for whatever of our goods you may need. We hope to be favored with a trial order. Satisfactory references or cash must accompany all orders from parties with whom we are not acquainted. Following is a list of the stock we offer. It is in excellent condition and we are confident we can please you, both as to quality and price.

PALMS.

Measurements, top of pot to top of tallest leaf.

VARIETIES.	SIZE POT.	HEIGHT INCHES.	CHAR. LEAVES.	PRICE EACH.	Doz.
Areca Lutescens.....	5-in.	22-26	6-10	\$0.50	\$ 5.00
" " " " " " " " " "	6-in.	24-28	8-10	.75	9.00
" " " " " " " " " "	8-in.	40-50	15-20	2.50	30.00
Cocos Weddelliana.....	3-in.	10-14	4-6	.25	2.50
Kentia Belmoreana.....	6-in.	24-28	5-7	1.50	18.00
" " " " " " " " " "	8-in.	36-40	4-6	2.50	30.00
" Forsteriana.....	6-in.	32-36	3-5	1.25	15.00
Latania Borbonica.....	4-in.	14-16	2-3	.25	3.00
" " " " " " " " " "	6-in.	20-24	5-6	.75	9.00
" " " " " " " " " "	8-in.	24-30	5-6	1.50	18.00
" " " " " " " " " "	9-in.	34-38	7-8	2.50	30.00
Phoenix reclinata.....	5-in.	18-20	4-5	.50	5.00
" canariensis.....	6-in.	22-26	5-6	.75	9.00
" " " " " " " " " "	7-in.	26-30	8-10	1.00	12.00

If in need of large specimens of Latania Borbonica, Corypha, Areca Lutescens, Pandanus Utilis or Veitchii, etc., write us for sizes and prices.

MISCELLANEOUS.

	EACH.	Doz.
Auracaria Excelsa, from 6-in. pots, perfect plants.....	\$1.50	\$18.00
" " " " " " " " " "	2.00	24.00
" " " " " " " " " "	3.50	40.00
Asparagus Sprengerii, 4 " " nice plants.....	.20	2.00
" " " " " " " " " "	.25	3.00
" " " " " " " " " "	.50	6.00
" Plumosus Nanus, 2 " " " " " " " " " "	\$5.00 per 100	
" " " " " " " " " "		1.00
" " " " " " " " " "		1.50
Dracaena fragrans, strong plants from 5-in. pots.....	.50	5.00
Pandanus utilis, " " " " " " " " " "	.50	5.00
" Veitchii, " " " " " " " " " "	2.00	24.00
Peperomia Verschaffeltii, strong plants from 3-in. pots.....		1.00
" " " " " " " " " "		1.50
Sansevieria Javanica Variegata, from 3-in. pots.....		1.25
Cyperus alternifolius, strong plants, 4 " " " " " " " " " "		1.00
" " " " " " " " " "		1.50
Selaginella Emiliana, nice plants from 4-in. pots.....		1.50
" Martensii, " " " " " " " " " "		1.50

FERNS.

VARIETIES.	Size Pot.	Doz.	Per 100	VARIETIES.	Size Pot.	Doz.	Per 100
Adiantum cuneatum.....	2-in.	\$0.50	\$ 4.00	Nephrolepis pectinata....	6-in.	3.00	25.00
" " " " " " " " " "	3-in.	1.00	8.00	" " " " " " " " " "	4-in.	1.50	12.00
" " " " " " " " " "	5-in.	2.00	16.00	" " " " " " " " " "	5-in.	2.00	16.00
Cyrtomium falcatum.....	3-in.	1.00	8.00	" " " " " " " " " "	10-in.	30.00	
Lomaria gibba.....	3-in.	1.00	8.00	" " " " " " " " " "			
" " " " " " " " " "	4-in.	1.50	12.00	" " " " " " " " " "	4-in.	1.50	12.00
Nephrolepis pectinata....	4-in.	1.50	12.00	" " " " " " " " " "	2-in.	.50	4.00
				" " " " " " " " " "	2-in.	.50	4.00

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SOIL.

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BAY CITY, MICH.—The Hammond Seed Co., formerly of Decatur, has located just south of this city.

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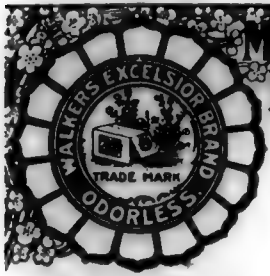


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INDIANAPOLIS.

Club Meeting.

The Indianapolis Florists' Club held its first and last meeting of the year on Tuesday, January 3. This will be a surprise to a great many readers, but I will explain. At the meeting it was proposed to abandon the club and consolidate with the State Florists' Association. This motion was laid over till next meeting, but before that time the State Florists' Association met on January 9 and invited the local club to consolidate with them. This invitation was extended at about 4:30. The local club sent out a hurried call for a special meeting at 7 that evening, and the Indianapolis Florists' Club at that meeting drew its last breath and became the State Florists' Association of Indiana.

But to return to the local club meeting. It was also proposed to give shows at each of their meetings and give small premiums on cut flowers and plants. A committee was appointed to make a premium list for next meeting on carnations, as it was decided to have a carnation show in February. There will be premiums given on 1 dozen each white, red, pink and any other color. A certificate of merit will be awarded to any new cut flower or plant. After the regular routine business was over the newly elected officers were installed. After the meet-

ing they entertained the club at the Germania Cafe with an elegant supper, and all had a good, jolly time.

State Florists' Association Meeting.

January 9 the State Florists' Association met in the horticultural room in the State House. It was decided by this society to abandon the annual flower shows held here and to give several smaller ones throughout the year. As stated above, this society invited the local florists' club to consolidate with them, and in consequence thereof a new constitution was necessary. A committee was appointed to revise the old one and, if necessary, make a new one.

Following officers were elected: President, E. G. Hill, Richmond; first vice-president, J. C. Powers, Indianapolis; second vice-president, Herbert Heller, New Castle; secretary, R. McKeand, Indianapolis; treasurer, J. T. Huntington, Indianapolis. In connection with the meeting a display of flowers was staged and following awards made: Certificate of merit to Bertermann Flo. Co. for cyclamen; Henry Rieman for Meteor roses; S. Park Flo. Co., Bride and Maid roses; E. G. Hill & Co., red carnation, with America; S. Pk. Floral Co., best pink and fancy with Triumph and Helen Keller; W. Coles, best white with Evelina; E. Hukriede & Son, Marie Louise violets; J. Hartje, Farquhar; S. Pk. Flo. Co., California; H. Rieman, hon-

orable mention for plant of Cypridium insigne; same for vase mixed carnations; same to E. Hukriede for azaleas.

F. Dörner & Sons Co. had on exhibition a vase of their new carnation G. H. Crane. This variety attracted a great deal of attention and was much admired by everyone.

Notes.

Business here is rather quiet after the holidays, New Year's trade being nothing extra, the supply being greater than the demand.

John Rathsam's place on Broadway was damaged by fire on the night of January 8 to the extent of about \$600. His loss included his palms and a good deal of bedding stock.

Mr. Houston Tall, of the Garfield Park greenhouses, met with a painful accident a week ago. He was taking the night fireman's place and stumbled down by the boiler; in falling he threw out his hand to save himself and fell against the furnace door, burning himself badly.

Mr. Henry Rothermel, of the Garfield Park greenhouses, was recently married to Fernie D. Burris. The boys all wish him luck. FRED.

COATESVILLE, PA.—James Brown has secured land upon which he will erect several greenhouses for carnations.

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J. LOUIS LOOSE, Florist,
Corner 12th and F, N. W.,
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(Signed) J. LOUIS LOOSE.

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Vol. III.

CHICAGO AND NEW YORK, JANUARY 26, 1899.

No. 61.

DAHLIA CAMELLIAEFLOREA.

We present herewith an engraving of some pot plants of this dwarf, early blooming dahlia from a photograph sent us by Mr. A. L. Miller, Brooklyn, N. Y.

Mr. Miller has grown it as a pot plant for spring sales for the last

It seems as though it should be very useful to a florist doing a general local trade.

WILTING POINSETTIAS.

A correspondent from the far north, where the thermometer was down to 43 degrees below when his inquiry was

they had been cut and placed in water for a few hours, or better for a whole night before being used for the decoration. There are few of our leading flowers that should be cut and at once handed over to the customer or used for any purpose. This will assuredly apply to roses, carnations, tulips and even violets if the latter are wrapped in oiled paper and kept in a moderately warm place, and we suspect the trouble with our friend's poinsettias is the absence of the necessary "water cure." All florists must have noticed that when flowers are cut from the plants when the roots are dry or during the warm midday hours, the flowers wilt more quickly than those cut when the plants are well charged with moisture, and if they must be severed from the plant under these unfavorable conditions, then some hours with their stems in water is absolutely necessary. WM. SCOTT.

STEM ROT.

I notice in replying to H. A. S., Mr. Fred Dorner says that the so-called stemrot of carnations is due partially to deeper planting on the bench than in the field. I do not find this to be so in my case.

Having been troubled with stemrot last year on McGowan, I raised 400 McGowan cuttings from stock purchased in Pennsylvania, taking the greatest care with them. They were planted on May 7 and by September, when they were housed, I had the largest McGowan carnations I ever housed. These, as well as the other varieties, were planted by myself, being particular to have the plants near the surface and not any deeper than they had previously been planted, and in about two or three weeks they commenced to shrivel up and die, five to ten per day, until by December 10 I had lost over two-thirds of them, while of such va-



Dahlia Camelliaeflora.

five years and has found it very useful. He also grows it planted out in the field in summer, where it not only is the earliest to bloom, but produces flowers freely all the season. The plants do not exceed two feet in height and do not need any stakes. The flowers are pure white in color, of large size, and borne on stout stems.

penned, says: "How can I grow poinsettias for cut flowers so they will stand? Could sell them cut if they did not wilt down so soon."

I have never noticed that the bracts wilt badly after the first few hours, and have noticed several times this winter that the cut poinsettias stood up well for several days, provided

rieties as Scott, Daybreak, Eldorado and Portia, I have not lost over 10 per cent. I think this proves that it is not in the planting, but in the condition of the plant and that some varieties are more subject to this disease than others.

I have never tried sulphur as a remedy, but it has always seemed to me that we are working in the dark. I

trust the matter will be investigated by some of our state chemists.

It has always been an idea of mine that stemrot was a disease of the sap similar to a blood disease of the human body; if so, while sulphur might possibly be a preventive in destroying the germs as they matured, it would not be any good as an eradicator.

A. J. B.

MISCELLANEOUS SEASONABLE HINTS.

Lemon Verbena.

There is a plant that is always asked for from the general florist and which it is very difficult to buy in satisfactory shape, and that is the Lemon verbena (*Aloysia citriodora*). If you grew some plants in 4-inch pots last summer, and they have been resting under a bench since October, not dust dry, but dry enough to lose their leaves, it will soon be time to get them up. Shake off the old soil and repot in no larger a pot than they were previously in. Shorten back the strong shoots and cut entirely away the weak ones. Place in a temperature of 50 degrees, and when you are watering the bench, raise the hose and always syringe this plant. They will soon break and give you all the cuttings you want.

I used to hear years ago that the lemon verbena was a difficult plant to propagate. We never find it so. It may not root under the same conditions as a carnation, that is, cool both in the sand and above, but when the sand is 65 to 70 degrees and the atmosphere 50 degrees, they root almost as surely, if not as quickly, as an *achyranthus*. The cuttings should never be allowed to wilt, either from lying around when made, or sun or want of water in the sand. As I may forget to mention this little favorite again, will say that after being rooted its treatment is no different from any other soft-wooded young plant, for although not a soft-wooded plant, you are treating it as such by rooting the young, tender growths; so grow them along till early April, when the only place for them is a hot bed. A plant in a 3-inch pot once stopped and put into a hot bed in middle of April will make four times the plant of one grown in any kind of greenhouse with best of care.

I trust my readers, or critical readers, will not think it strange that I re-

commend what they may consider such an obsolete structure as a hot bed, but nevertheless there are a few plants that not only grow magnificently under the influence of this primitive method, but it is no fraud on your customers to produce plants that way. The man who would grow young roses or carnations that way would be a sinner.

Begonia Manicata Aurea.

Last year I mentioned the many good qualities of this handsome begonia. It is one of the very best house plants that we know of, its succulent growth resisting the dry air of the room better than any of this beautiful genus. It is never plentiful and propagation is slow by the usual method of cuttings, because you can't get cuttings enough, but it can be increased almost as quickly as the Rex type, either by sections of the leaf or laying the leaf on the surface of the sand and pegging it down and severing the main ribs of the leaf here and there; perhaps the latter is the best way.

Roses.

There is no better time in all the year to root roses of the tea section, which to us is by far the most important class. Large growers root their roses with as much certainty as they would verbenas. Though but a small rose grower, the writer has for years been propagating roses at various times and using several kinds of cuttings. The test of whether a cutting is better with one eye or two, or more, I once tried, and before it was time to replant again the two-eyed cutting had given the best results. That old controversy of "flowering versus blind wood" is slumbering, perhaps never to be revived, and most likely both sides satisfied that they are in the right. If any one has had perfect success by either way, don't let them change; depend on it, it is

not the way or form they started the cutting, but their great care, attention and skill that followed. I believe, and experience has proved to me, that a cutting of so-called blind wood, if sufficiently strong, is just as good and will make eventually as free flowering and vigorous a plant as one made from a portion of the flowering shoot.

In selecting the cuttings or the material that makes a good cutting, it seems to me that a good gardener knows it by instinct, the same kind of faculty that some men possess who are expert waterers; they know at a glance whether the plant needs water or not. The rose cutting should be neither soft nor succulent, as we want a verberna cutting, nor should it be sufficiently old to be ripened and hard. The right condition can be best described by saying that the stem a few joints below the bud, when the latter is about opening, is in the ideal age for propagating, and blind wood of the same texture is just as good.

American Beauty is as easy to propagate in the winter months as any of the teas, only there is more room for exercise of the brain than in making cuttings of the teas. Large, strong growths should be avoided, and so should the wiry, small growths. No one thinks about making cuttings from the flowering wood of the Beauty because there is such an abundance of blind shoots of better material from which to choose. Shoots of medium size are the ones, and the cuttings should be made from that part of the stem, neither too near the bottom, because too woody, nor near the top, because too sappy. Roses in the winter months root in sand in a house where the temperature is 55 degrees perfectly without any bottom heat, but take five or six weeks before they are ready to pot off. If raising roses for my own use, the ideal propagating bed would be where the sand was 60 to 65 degrees and the house 50 degrees. Roses should be potted off as soon as there are any signs of roots and not left till the young roots are 2 inches long, for in that state you will likely lose them in removing from the sand. Many a young batch of American Beauties has been injured and many lost when first potted from the sand, from want of attention in shading and watering. In these particulars much greater care is needed with the Beauties than with the tea varieties.

WILLIAM SCOTT.

BONNAFFON TURNING BLACK.

Referring to the experience of "Illinois," whose Bonnaffon chrysanthemums turned black at the tips of the petals, would say that I had the same trouble with mine, and I can affirm that in my case it was not caused by overfeeding or damping. It seemed to be in the flower itself. Over half of my Bonnaffons were injured in this way, though in three different benches



Store and Conservatory of Mr. Oscar Kreitling, Chicago.

in three different parts of the house, and no other variety was affected. As soon as a flower was affected it seemed to stop growing and never increased in size even if very small when the trouble began to manifest itself.

CARL HAGENBURGER.

Mentor, O.

SOCIETY OF AMERICAN FLORISTS.

Department of Plant Registration.

The Hoffmeister Floral Co., Cincinnati, O., registers new rose Maid of Honor, a sport from Bridesmaid, deeper pink in color.

This is the variety which the Hoffmeister Floral Co. has been advertising for introduction this season under the name of Miss Clara Barton, but having been apprised of the fact that another firm had previously registered a rose under this name, they, out of deference to the rules of the S. A. F. regarding the registration of new plants, and with the best interests of

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Secretary

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[Addition to article by Wm. Scott, in issues of Dec. 15 and Dec. 29.]

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succeed with the beginner and at the same time are the most desirable flowers and cover the season of most demand, would be:

Cattleya labiata—Oct. and Nov.
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MASS. HORT. SOCIETY.

The printed schedule of the prizes offered by the above society for 1899 has been issued. The total amount for the year is \$8,150, of which \$2,000 is offered for plants, \$2,668 for flowers, \$50 for native plants, \$1,732 for fruits, \$1,200 for vegetables and \$500 for gardens, greenhouses, etc.

Following are the dates for the leading exhibitions: Spring exhibition, March 21 to 24. Rhododendron exhibition, June 1 and 2; Rose and Straw-

rieties as Scott, Daybreak, Eldorado and Portia, I have not lost over 10 per cent. I think this proves that it is not in the planting, but in the condition of the plant and that some varieties are more subject to this disease than others.

I have never tried sulphur as a remedy, but it has always seemed to me that we are working in the dark. I

trust the matter will be investigated by some of our state chemists.

It has always been an idea of mine that stemrot was a disease of the sap similar to a blood disease of the human body; if so, while sulphur might possibly be a preventive in destroying the germs as they matured, it would not be any good as an eradicator.

A. J. B.

MISCELLANEOUS SEASONABLE HINTS.

Lemon Verbena.

There is a plant that is always asked for from the general florist and which it is very difficult to buy in satisfactory shape, and that is the Lemon verbena (*Aloysia citriodora*). If you grew some plants in 4-inch pots last summer, and they have been resting under a bench since October, not dust dry, but dry enough to lose their leaves, it will soon be time to get them up. Shake off the old soil and repot in no larger a pot than they were previously in. Shorten back the strong shoots and cut entirely away the weak ones. Place in a temperature of 50 degrees, and when you are watering the bench, raise the hose and always syringe this plant. They will soon break and give you all the cuttings you want.

I used to hear years ago that the lemon verbena was a difficult plant to propagate. We never find it so. It may not root under the same conditions as a carnation, that is, cool both in the sand and above, but when the sand is 65 to 70 degrees and the atmosphere 50 degrees, they root almost as surely, if not as quickly, as an *achyranthus*. The cuttings should never be allowed to wilt, either from lying around when made, or sun or want of water in the sand. As I may forget to mention this little favorite again, will say that after being rooted its treatment is no different from any other soft-wooded young plant, for although not a soft-wooded plant, you are treating it as such by rooting the young, tender growths; so grow them along till early April, when the only place for them is a hot bed. A plant in a 3-inch pot once stopped and put into a hot bed in middle of April will make four times the plant of one grown in any kind of greenhouse with best of care.

I trust my readers, or critical readers, will not think it strange that I re-

commend what they may consider such an obsolete structure as a hot bed, but nevertheless there are a few plants that not only grow magnificently under the influence of this primitive method, but it is no fraud on your customers to produce plants that way. The man who would grow young roses or carnations that way would be a sinner.

Begonia Manicata A. u. ea.

Last year I mentioned the many good qualities of this handsome begonia. It is one of the very best house plants that we know of, its succulent growth resisting the dry air of the room better than any of this beautiful genus. It is never plentiful and propagation is slow by the usual method of cuttings, because you can't get cuttings enough, but it can be increased almost as quickly as the Rex type, either by sections of the leaf or laying the leaf on the surface of the sand and pegging it down and severing the main ribs of the leaf here and there; perhaps the latter is the best way.

Roses.

There is no better time in all the year to root roses of the tea section, which to us is by far the most important class. Large growers root their roses with as much certainty as they would verbenas. Though but a small rose grower, the writer has for years been propagating roses at various times and using several kinds of cuttings. The test of whether a cutting is better with one eye or two, or more, I once tried, and before it was time to replant again the two-eyed cutting had given the best results. That old controversy of "flowering versus blind wood" is slumbering, perhaps never to be revived, and most likely both sides satisfied that they are in the right. If any one has had perfect success by either way, don't let them change; depend on it, it is

not the way or form they started the cutting, but their great care, attention and skill that followed. I believe, and experience has proved to me, that a cutting of so-called blind wood, if sufficiently strong, is just as good and will make eventually as free flowering and vigorous a plant as one made from a portion of the flowering shoot.

In selecting the cuttings or the material that makes a good cutting, it seems to me that a good gardener knows it by instinct, the same kind of faculty that some men possess who are expert waterers; they know at a glance whether the plant needs water or not. The rose cutting should be neither soft nor succulent, as we want a verbenas cutting, nor should it be sufficiently old to be ripened and hard. The right condition can be best described by saying that the stem a few joints below the bud, when the latter is about opening, is in the ideal age for propagating, and blind wood of the same texture is just as good.

American Beauty is as easy to propagate in the winter months as any of the teas, only there is more room for exercise of the brain than in making cuttings of the teas. Large, strong growths should be avoided, and so should the wiry, small growths. No one thinks about making cuttings from the flowering wood of the Beauty because there is such an abundance of blind shoots of better material from which to choose. Shoots of medium size are the ones, and the cuttings should be made from that part of the stem, neither too near the bottom, because too woody, nor near the top, because too sappy. Roses in the winter months root in sand in a house where the temperature is 55 degrees perfectly without any bottom heat, but take five or six weeks before they are ready to pot off. If raising roses for my own use, the ideal propagating bed would be where the sand was 60 to 65 degrees and the house 50 degrees. Roses should be potted off as soon as there are any signs of roots and not left till the young roots are 2 inches long, for in that state you will likely lose them in removing from the sand. Many a young batch of American Beauties has been injured and many lost when first potted from the sand, from want of attention in shading and watering. In these particulars much greater care is needed with the Beauties than with the tea varieties.

WILLIAM SCOTT.

BONNAFFON TURNING BLACK.

Referring to the experience of "Illinois," whose Bonnaffon chrysanthemums turned black at the tips of the petals, would say that I had the same trouble with mine, and I can affirm that in my case it was not caused by overfeeding or damping. It seemed to be in the flower itself. Over half of my Bonnaffons were injured in this way, though in three different benches



Store and Conservatory of Mr. Oscar Kreitling, Chicago.

in three different parts of the house, and no other variety was affected. As soon as a flower was affected it seemed to stop growing and never increased in size even if very small when the trouble began to manifest itself.

CARL HAGENBURGER.

Mentor, O.

SOCIETY OF AMERICAN FLORISTS.

Department of Plant Registration.

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berry exhibition, June 22 and 23; Annual Plant and Flower exhibition,

August 30 and 31; Annual Fruit and Vegetable exhibition, September 28 and 29; Chrysanthemum exhibition, November 7 to 10.

Copies of the schedule may be obtained from Robert Manning, secretary, Horticultural Hall, Boston.



ROSE NOTES.

Many leading rose growers have pronounced very decidedly in favor of grafted stock for their next season's planting, and we advise all to try at least a few grafted plants in comparison with those on their own roots; you can then decide for yourself which will pay best, all things considered.

If not already on hand, a supply of Manetti stocks should be secured at once. These stocks are usually from 15 to 20 inches long and may be shortened to about 8 or 10 inches, using a pruning shears for this purpose. Pot them in ordinary rose soil, without any fertilizer added. Crowd the roots in as small a pot as possible (nothing larger than a 2½-inch pot should be used), and pot very firm. Try a few in a mixture of one-half "Jadoo" and one-half soil and note the result. We found they filled the pot with roots much quicker, gaining about three days over those potted in pure soil, while at the same time the roots were much heavier and longer, certainly a point in its favor, as strong root action is essential before the operation of grafting should begin.

When potted, place the stocks in a greenhouse, where the temperature should be kept at 40 to 45 degrees at night, ventilating freely during the day, and do not allow the temperature to go above 50 degrees at any time, if possible. In two or three weeks they will be in shape for grafting.

While we are waiting for the stocks to get into condition, we have ample time to prepare a glass case for their reception during the period of uniting. Select a bench where a bottom heat of 75 to 80 degrees can be obtained. If it is a side bench, there should be at least 15 inches top room; on this a temporary wooden frame may be built, similar in shape to a hot-bed, giving it a pitch of two or three inches toward the walk. If you

have any hot-bed sash not in use, they will answer very well for a cover, placing them on the case lengthwise, but be very particular about making a good fit, as the case should be as near air-tight as possible. If a permanent glass case is wanted, we much prefer a center bench 6 feet wide. We can then build a wooden frame 18 inches high in the middle, sloping to 12 inches on each side, making an inverted V shaped roof. The glass sash may be 3 feet wide by 3 feet deep, and can be hinged to the ridge in the middle, opening from each side. The frame can be made as long as necessary, but it would be desirable to put in a partition every 6 feet, so as to enable one to control each batch separately, as a very large frame would not likely be filled all at once.

The kind of wood to select, the most approved method of grafting, and treatment of grafts during confinement in the glass case, will form the subject of our next week's notes.

S. A. B.

SOCIETY OF AMERICAN FLORISTS.

Legislative Committee's Report.

[Continued from last week.]

After the matters of detail which were submitted by the committee had been disposed of, the still more important one of market values was taken up. The chairman of your committee urged upon the Appraiser that some steps should be taken to fix said values a sufficient time in advance of the arrival of the main consignments in the fall, so that importers could enter goods and have them passed upon in the shortest time possible. At first the proposition did not meet with favor, but afterwards an agreement was reached, that the authorities would receive a committee next May or June and consult with them in regard to prices for fall importations.

In case the work could not be done through a committee, they would receive individuals and accept evidence in regard to values, and from evidence submitted, make the schedule. As this

is a very important part of the work of the committee, we took pains to get the matter from the authorities, and beg leave to submit it herewith.

Office of the Appraiser of Merchandise,
Port of New York, N. Y., Dec. 16, 1898.
Patrick O'Mara, Esq.

Sir: Referring to your conversation with Examiner Lersner in which you asked to be informed what constitutes market value in order that the Secretary of the Society of American Florists might have the information published in your official organ for the benefit of your members, I have to state:

Customs Administrative Act, as amended July 24, 1897, defines "market value" in paragraphs 10, 11 and 19, copies of which passages are enclosed.

In practical administration it is the custom of the appraising officer to determine in proper ways the value of the merchandise in the usual commercial quantities, and to establish a uniform value for the articles in the usual quantities. No special discounts are allowed and no privileges which are not enjoyed by the balance of the trade. Each article is judged by itself without relation to the balance of the invoice.

Any further information you may wish I shall be pleased to furnish.

Respectfully yours,
(Signed) T. C. WORDIN,
Assistant Appraiser, Tenth Division.
728—C.C.T.

Section 10. That it shall be the duty of the appraisers of the United States, and every one of them and every person who shall act as such appraiser, or of the collector, as the case may be, by all reasonable ways and means in his or their power, to ascertain, estimate and appraise (any invoice or affidavit thereto or statement of cost, or of cost of production to the contrary notwithstanding) the actual market value and wholesale price of the merchandise at the time of exportation to the United States, in the principal markets of the country whence the same has been imported, and the number of yards, parcels, or quantities, and actual market value of wholesale price of every one of them as the case may require.

Section 11. That when the actual market value as defined by law of any article of imported merchandise wholly or partly manufactured and subject to an ad valorem duty, or to a duty based in whole or in part on value, cannot be otherwise ascertained to the satisfaction of the appraising officer, such officer shall use all available means in his power to ascertain the cost of production of such merchandise at the time of exportation to the United States, and at the place of manufacture; such cost of production to include the cost of materials and of fabrication, all general expenses covering each and every outlay of whatsoever nature incident to such production, together with the expense of preparing and putting up such merchandise ready for shipment, and an addition of not less than 8 nor more than 50 per centum upon the total cost as thus ascertained; and in no case shall such merchandise be appraised upon original appraisal or reappraisal at less than the total cost of production as thus ascertained. It shall be lawful for appraising officers, in determining the dutiable value of such merchandise, to take into consideration the wholesale price at which such or similar merchandise is sold or offered for sale in the United States, due allowance being made for estimated duties thereon, the cost of transportation, insurance and other necessary expenses from the place of shipment to the United States, and a reasonable commission, if any has been paid, not exceeding 6 per centum.

Section 19. That whenever imported merchandise is subject to an ad valorem



Store and Greenhouse of Messrs. E. & C. Woodman, Danvers, Mass.
[Erected by Hitchings & Co.]

rate of duty, or to a duty based upon or regulated in any manner by the value thereof, the duty shall be assessed upon the actual market value or wholesale price of such merchandise, as bought and sold in usual wholesale quantities, at the time of exportation to the United States, in the principal markets of the country from whence imported, and in the condition in which such merchandise is there bought and sold for exportation to the United States, or consigned to the United States for sale, including the value of all cartons, cases, crates, boxes, sacks and coverings of any kind, and all other costs, charges and expenses incident to placing the merchandise in condition, packed ready for shipment to the United States, and if there be used for covering or holding imported merchandise, whether dutiable or free, any unusual article or form designed for use otherwise than in the bona fide transportation of such merchandise to the United States, additional duty shall be levied and collected upon such material or article at the rate to which the same would be subject if separately imported. That the words "value" or "actual market value" whenever used in this act or in any law relating to the appraisement of imported merchandise shall be construed to be the actual market value or wholesale price as defined in this section.

In conclusion, the committee desires to say that apparently we have done all that can be done at the present time. Among other things submitted to us was a complaint from one firm regarding penalty for undervaluation, which they claimed was unjust,

and further stated that they could not obtain any consideration of their claim by the authorities. The committee presented the case to the collector, and by return of mail received assurance that the matter had never been in his office; application to the Secretary of the Treasury for information brought back a reply in two days, stating that the claim could not be allowed. The appraiser obtained a list of the firms who placed their case with the committee, and mailed to each a letter, copy of which is enclosed.

The committee desires to thank all those who aided them in the performance of this very important mission; they desire also to thank the government officials for the courteous treatment received and the marked attention paid to their requests.

Dictated by W. F. W. Copy.
Office of the Appraiser of Merchandise,
Port of New York, N. Y., Dec. 20, 1898.

Gentlemen: We had a call a few days since from your committee on the subject of importations of plants, bulbs, etc. With the co-operation of importers in your line, I think we will be able to avoid any delays in the future, and I beg to say that it will be a pleasure to meet you or your representatives at any time. Do not hesitate to bring any delays to my attention.

Very truly yours,
(Signed) W. F. WAKEMAN,

All of which is respectfully submitted.

THE LEGISLATIVE COMMITTEE S.
A. F.

PATRICK O'MARA, Chairman.

JOHN N. MAY.

CHARLES H. ALLEN.

WM. J. STEWART, Secretary.

ANNOUNCEMENT.

To The Trade.

Replying to the many inquiries regarding the sensational newspaper reports, would simply say they are very misleading and in some cases utterly false. I have not severed my connection with, or interest in, the stock of the Mrs. Thomas W. Lawson carnation, nor have I changed in any way my former plans to introduce the stock to the trade during the spring of 1900. Yours truly,

PETER FISHER.
Ellis, Mass., Jan. 21, 1899.

WE WOULD LIKE very much to have a complete and accurate list of the names and addresses of the florists of America and to this end will ask each subscriber to kindly send us an accurate list of those in the trade in his or her city or town. By complying with this request you will confer a great favor on the publishers.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

520-535, Caxton Building, Chicago.

334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/2 page, \$13.50; full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.

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NEW YORK.

The Market.

The condition of the market and business in general remains about the same as last week. Many grades and varieties of roses, especially Beauties, are scarce. Everyone seems to be off crop at the same time. This is where the retailer misses the good old hybrids, such as Magnas, Nerons, Brunners, Alexis and Gloire de Paris. It seems strange that we never see them more. There is lots of petty quarreling occasioned by the scarcity of such a stock as Beauty, and though the wholesalers may delight in raising prices, the retailer cannot, for the reason that his customers will not stand for it, as they can never understand why prices should fluctuate, especially at this time of the year.

Bulb stock is becoming more and more plentiful, but tulips and jonquils so far are poor in quality. Freesia is very fine and commands big prices. Lilac is good and the bunches are of a more generous proportion. Violets—well, it's been a very hard season for the boys who have only frame violets, still they and others are coming in plentiful now and the peddlers are beginning to stick them in everyone's face, offering to exchange 50 of them for 25 cents. Your printer's d—made a mistake in the price of Harrisii last week; it should have been \$2 instead of \$2.50; that extra 50 cents might cause trouble, and I know you don't wish it.

Notes.

Congratulations and other things to Mr. Galvin, of Boston. Every old woman in New York wants to see his wonderful posey.

Some clever, yes indeed, very clever, gentleman attended the last meeting of the New York Gardeners' Society and succeeded for the night in having their own sweet way. Unfortunately for these clever gentlemen, however, the by-laws of the society make their ignoble fun very silly and a boom-erang.

The New York Florists' Club's twelfth annual dinner will take place

at Morello's, 4 West 29th street, on Thursday, February 9., at 7 p. m.; tickets to be \$3. For many reasons this is expected to be the largest attended dinner the club has ever given, for apart from the reduction in price, the committee promise an abundance of all that is calculated to give thorough enjoyment from an epicurean as well as the jovial sense. No New Yorker can afford to miss it.

And just a word to everyone owning a new flower. The exhibition of flowers at these annual dinners are very grand, and if you want to bring any novelty (including that \$30,000 carnation) before the floricultural eyes of New York, send them to the committee, Messrs. L. Hafner, J. H. Troy and John I. Raynor care John Young, 51 West 28th street.

Bowling.

Capt. Leuly is quickly getting his team into shape for the match with the Flatbush boys, on February 13th, at the New York Club's alleys, 57th street and Sixth avenue. There is nothing like matches to draw the crowd together and raise enthusiasm. The meeting at the alleys tonight, January 23, was a very jolly one, and the following serves to show how some of the team is progressing:

O'Mara	218
Troy	159
Traendly	135
Leuly	147
Lang	151
Hafner	165
Burns	144
Bunyard	151
Schenck	110
Donlan	122

IVERA.

ST. LOUIS.

Floral Euchre.

The Floral Euchre given by the St. Louis Florist Club on Friday last at the Concordia Club was a grand success. Most all the florists in the city and their friends attended and everybody had a good time. The committee in charge was on hand early and arranged all the prizes, which numbered fifty-seven. Among the prizes were plants of all kinds, ferneries, bouquets and boxes of cut flowers. The following florists donated prizes: F. C. Weber, Beyer Bros., Geo. B. Windler, L. Armstrong, W. E. Jordan, C. C. Sanders, Jordan Floral Co., Max Herzog, Emil Schray, Walter Retzer, R. J. Mohr, Andrew Meyer, F. J. Fillmore, Michel Plant and Bulb Co., C. Young & Sons Co., Ellison & Teson, J. J. Beneke, C. A. Kuehn, H. G. Berning, F. Ellis, John Steidel and J. T. Ammann.

After the playing fifty-seven persons went home with prizes. Dancing then began, which was very much enjoyed by the younger folks and was kept up until 2 a. m. The entertainment was voted a success and will no doubt be repeated at an early date.

The Market.

Within the past few days business has been very good in the cut flower line. Dinners and wedding receptions and other entertainments made a call for quantities of cut flowers. The down town florists seem well pleased with their counter trade, notwithstanding the fine weather we have had, which brought out the fakir on all corners down town. The West End florists report good trade in all branches.

Only the very best Beauties have the call at \$25 and \$50 and are a little scarce, the cheaper short stemmed stock being about \$2 and are sold to the fakirs by the pan. First-class Brides, Meteors, Maids and Carnots sell at \$5 and \$8, Perles and Wootons, \$2 and \$4.

Carnations are becoming plentiful and go well. Daybreak, Scott and all white bring \$2.50, extra fancy \$3. Scarlets had a good demand the past week.

Bulb stock shortened up a little and Romans sold at \$4 for the best; Paper Whites also bring \$4; Freesias this morning sold at \$4; valley, \$3 and \$4. Von Sions are coming in and sell at \$4. Tulips are too short stemmed to bring a good price. Harrisii and calas remain the same as last week. Violets are in fair demand and plentiful, especially southern stock. California bring 50 cents, double 75 cents, single 25 cents, southern stuff \$2 per 100 bunches. Smilax and other green stuff remains about as usual at this time of year.

Notes.

Alex Walbart will give up his store under the Lindell hotel on March 1, and it is rumored that Mr. Walbart will open at Grand avenue and Olive street on March 15. This neighborhood is fast becoming the center of attraction to the florist and will make four within 100 yards of each other.

Thomson, Anderson & Kennedy, greenhouse builders of St. Louis, were the lowest bidders to erect a \$30,000 plant at Toledo, O.

Miss Theresa Badaracco, at 1308 Olive street, had a new front put in her store, which gives the place a very attractive appearance. Miss Theresa reports business first class.

Miss Atkinson, who bought out the Ayers Floral Co. a few months ago, has sold her establishment to Mrs. Pfeffer, of Pfeffer & Rotter. They will move from Thirteenth and Washington to Easton avenue this week.

The Goose plant which is now in bloom at Tower Grove Park, is attracting large crowds every day. Mr. W. A. Walton, of England, editor of the Cactus Journal, a guest of Prof. Trelease, considers it one of the finest plants of the kind he has ever seen.

Mr. E. H. Michel has returned from Colorado, where he went to adjust a

Ernst Asmus, West Hoboken, N. J., and Paul Dailledouze, Flatbush, N. Y., were in the city last week and visited the establishments of leading growers.

Mr. L. J. Stuppy, St. Joseph, Mo., was a visitor Wednesday. Part of his mission was to see the new carnation Evanston at home. He visited Evanston and was most favorably impressed.

Bowling.

Following are the scores and averages made at the alleys last Friday night after the club meeting:

	1st.	2nd.	Av.
J. S. Wilson.....	157	...	157
E. F. Winterson.....	176	105	140
C. W. McKellar.....	121	158	139
A. Lange.....	107	161	134
A. Henderson.....	113	134	123
J. Degnan.....	111	129	120
W. Kreitling.....	119	121	120
G. L. Grant.....	119	...	119
J. A. Shaw.....	92	...	92
C. Schweigert.....	92	...	92

But the feature of the evening was a pair of games played on the side by Messrs. Ernst Asmus and O. P. Bassett. Each won a half of the pair and honors were even.

PHILADELPHIA.

The Market.

Cut flower prices have been good. Beauties brought from \$4 to \$6 per dozen, while Brides and Bridesmaids were decidedly scarce; the few that were to be had were snapped up at \$10 to \$12 per hundred. Meteors were very plentiful, hence the best only brought \$6 to \$8 per hundred. There was a marked increase in the supply of carnations, hence it was necessary that they should be very fine to bring \$2 per hundred; many were to be had at \$1 per hundred. Of Romans the supply exceeded the demand, and the very finest sold for \$3 per hundred, while the greater part were sold for \$2. Violets were also in abundance, with doubles bringing \$1 per hundred, while Californias sold readily at 50 and 75 cents per hundred. There were a few freesias to be had at \$4 per hundred.

Tulips have appeared in good shape and in quantity; they bring \$4. The varieties are Scarlet Duc, Montresor, Yellow Prince and La Reine. Valley is fine at \$4; Romans the same for first class blooms, but the smaller flowers may be quoted at \$2 to \$3. Double Daffodils have arrived and bring \$6.

We are informed that Samuel Pen-nock is getting in some very fine mignonette. This we understand sells very readily at \$5 per hundred.

We understand there was a slight improvement in the plant trade over last week.

Various Items.

Wanamaker's spring opening in plant sales has caused quite a sensation among the store men. The retailers say these sales have a decided effect on their receipts, and it generally lasts for three or four weeks. He is offering a full line of kentias, arecas, latanias, rubbers and dracaenas, also the miniature Primula Forbesii.

A farmers' institute, consisting of two sessions, afternoon and evening, was held under the auspices of the Pennsylvania Horticultural Society and the Philadelphia Florists' Club, in Horticultural Hall, January 17, where various subjects pertaining to house plants and their management, hardy trees and shrubs for lawn and garden, also the farm and dairy, were taken up and put under discussion.

We are pleased to hear that Ed Habermehl, of the firm of J. J. Habermehl & Sons, is rapidly improving, and promises to be among us again in a few days.

Among the novelties being offered we notice an anemone with the specific name of Queen Charlotte, offered by Dreer. From the writer's own personal knowledge this was given a fair test last summer as an outdoor plant. Upon questioning Mr. Eisele as to its qualities, he claims that it is one of the best early fall flowering plants yet offered, it being of a strong, robust habit, standing the hot summer remarkably well. It is semi-double, free flowering, the flower of a pleasing pink, a color that is not often found among hardy perennials. The flowers are produced in clusters and borne on a stout stem. One of its very good qualities is that it will, after being cut, open all its buds. The flowers are much larger than those of the ordinary varieties. With all these good qualities, it can't help becoming popular and make a very desirable plant for the cut flower grower, hence we think it is one of the novelties that has come to stay.

Mr. Harry Prince, a member of H. A. Dreer Co., is confined to his bed with a severe attack of typhoid fever. R.

BOSTON.

Review of the Market.

The wholesale business this week has been good and the outlook for the remainder of the season is very favorable. Roses have taken the head of the list and the rose men that are lucky enough to have any kind of a crop are right in the swim. Brides are running rather short in quantity and prices are firm at from \$8 to \$16 per 100. Maids are more plenty, although the asking price is about the same as for Brides. Meteors run from \$1.50 to \$2 per dozen, while Beauties are held at last week's quotations.

Carnations, although not so brisk as the roses, are selling well, especially for No. 1 blooms of all kinds; \$2 per 100 is the price for average stock, some even going lower than that. Day-break, Flora Hill and Eldorado will bring \$3, and Brauns sell readily at \$6 per 100. Short whites are held at \$1.50.

The violet market is about the same as last week, with average quality sel-

ling at 50 cents, although the dark colored Marie Louise and The Farquhar will in some cases bring a slight advance. Valley is of fine quality, held at \$4 per 100. Bulb stock is increasing in quantity; lilacs still at \$1.50 per dozen; Romans and Paper Whites, \$2 per 100; single trumpets, \$3 to \$4; Von Sions, about 60 to 75 cents per dozen; freesia, \$2 per 100; odds and ends, same as last week.

News Items.

The many friends of Mr. John Galvin, the veteran florist of New England, extend their sympathy at the death of his youngest son, William, who died in Cuba this last week. He was 36 years of age, and a brother of our well known retailer, Mr. Thomas F. Galvin, of Tremont street.

The prevailing topic among the "Hub" florists this week has been the amount of fine advertising the daily press has given to the Lawson carnation. The retail demand is enormous, far exceeding the supply.

Mr. E. N. Pierce, of Waverly, is taking an extensive vacation trip, intending to visit the islands of Jamaica and Cuba, returning by the way of Mexico.

W. J. Murphy, N. F. McCarthy & Co.'s right hand man, is laid up with a severe attack of the grip.

W. H. Elliott, of Brighton, is taking a vacation, having been called to serve a term as a Norfolk county jurymen. P.

TORONTO.

The Gardeners' and Florists' Association held their inaugural meeting on the 17th inst., which was of a social character, and there was a very good attendance. Mr. Vair, the newly elected president, was conspicuous by his absence (looking after the Kilties, I suppose). The chair was taken by the first vice-president, Mr. Wm. Jay. After the routine business had been dispensed with at express speed, the fun commenced.

One of Mr. Dunlop's genial employees had brought down a phonograph with an over-grown fog horn attachment. With this he entertained the members with songs, etc., never before heard, some good, some better, and some even very spicy. The latter, the older members seemed to enjoy the best of all, getting right up to the mouth of the fog horn, thus stopping the sound from coming our way. (They thought perhaps they were doing it all for our own good.)

Brother Thomas Manton mounted the rostrum and gave an excellent stump speech, portraying the cockney like a native.

Conee, crackers, and cheese was provided by some person or persons unknown, but was nevertheless put out of sight. One piece of cheese (Cheshire) donated by the treasurer was said to have come over in the May-flower; some said it had kept well,

but they opined it would not keep much longer—it didn't.

It was decided to hold the annual banquet at Webb's parlors on February 8th.

Last week we had the thermometer down to 10 degrees below zero, and in twenty-four hours was up to 45 or 50 above, and no snow on the ground. Herbaceous plants are suffering badly; no one is making money these days only skating rink proprietors.

Dunlop reports nothing doing, only a little funeral work (this weather is good for that, if nothing else.) The call is for white flowers chiefly.

The next regular meeting will be devoted to carnations. Specimen blooms of all the leading and newer varieties will be on tap and some one will read an essay on them.

That veteran horticulturist, Mr. Peter Barr, of daffodil fame, is booked to appear here on the 22nd or 23rd inst. The fraternity will turn out in a body to welcome the distinguished "tramp abroad" to this land of frost and snow (apples).

E. H. CARTER.

ST. PAUL.

Trade continues good, with a fair supply of all seasonable flowers and plants. Prices have dropped somewhat, roses now retailing at \$1.50 to \$2 per dozen. Carnations at 50 and 75 cents. There has been an unusually good demand for colored flowers, the prevailing preference for dark red being very noticeable. The advent of the Jubilee carnation seems to have influenced the taste of flower buyers a great deal. A year or two since the Daybreak color was all the rage, but this season red is the first choice.

Stock is fairly abundant; favorable weather, with plenty of bright sunshine, has brought out some very good blooms. Carnations are still short of demand, while a good many roses also are being shipped in. Violets are the only home crop adequate to the demand. The only things in the line of bulbous stock yet in bloom are Romans, Paper Whites and a few Harrisii. The disease has played havoc in many cases and unless something is found to arrest its devastations the grand Easter lily from Bermuda must give way to something else. Even longiflorums from Japan show traces of disease.

Notes.

Fred Schulze met with a serious loss on the night of December 30 by the freezing of his entire stock, owing to insufficient boiler capacity.

Dr. R. Schiffman, of much local fame as an orchid grower, contemplates a visit to Central and South America soon in quest of new and rare specimens. Any in the trade desirous of making such a tour in congenial company should address him at once.

Charles Anderson, who has conduct-

ed a store on "the hill" at several different times, is opening up at his old stand on Western avenue.

R. C. Seeger has closed his store at the city market for a couple of months.

Funeral work has been in great demand.

Shipping trade during the month has been very good.

Club Meeting.

The Society of Minnesota Florists held its regular meeting at the West Hotel, Minneapolis, on Saturday evening, Jan. 14th. There was an unusually good attendance, over thirty being present and much interest taken. Mr. A. S. Swanson, of the Legislative Committee, reported the progress made and started a subscription list to help defray expenses in drafting a bill and getting it before the Legislature. As stated before the object of this bill is to prohibit the sale of greenhouse products by state institutions supported by criminal and pauper labor.

Otto Hiersekorn, of St. Paul, presented a paper on "Decorations" and "How to successfully conduct a store," giving many valuable hints in both lines. Among other things he dwelt upon the importance of filling all orders, large or small, with neatness and despatch. He harshly criticised the wholesale shippers for making high prices at the holidays. He also advised growers to grow more decorative stock and less bedding plants. He touched on the miserable credit system in vogue and asked the society to give this question its earnest attention with a view to remedying the conditions.

Mr. James Souden, foreman for L. L. May & Co., displayed a very fine vase of carnations, varieties Jubilee, Triumph, Flora Hill, Mrs. Bradt and Mayor Pingree.

Christ Hansen was appointed speaker for the next meeting with the subject "Carnations."

The Twin City Bowlers at their first meeting on Tuesday last made the following scores, which are not very bad, considering that most of them had had no practice:

	1	2	3	4	5	Tot.	Av.
Gust Malmquist.....	131	96	123	144	127	621	124
Ernest Nagel.....	143	100	122	144	106	615	123
Carlson	70	64	74	122	108	438	88
G. Monson.....	98	76	80	97	90	441	88
Gust Will.....	97	112	91	105	104	509	102
Ed Swahn.....	..	84	112	93	113	402	100
A. S. Swanson.....	..	91	80	68	...	239	80
Jacob Hartman.....	79	101	97	...	...	277	92
R. J. S. Wessling..	..	90	75	103	...	268	89
Otto Will.....	73	60	141	98	...	372	93

X. Y. Z.

CLEVELAND.

The Market.

The principal topic of interest at present is the scarcity of stock, especially roses. They sell at sight and bring from \$4 to \$8 per 100; retail prices about as usual, \$1.50 to \$2.50 per dozen. Carnations are in brisk demand, especially white, and bring \$1.50

and \$2 per 100. Valley is coming in more plentiful and from \$4 to \$5 per 100 is realized for it. Violets continue to hold their own; Californias \$1, doubles \$1.25 per 100, Tulips are arriving more freely and are held at \$3 and \$4; Harrisii, not too plentiful \$15; callas \$12.50, Romans and Paper whites remain as last quoted—\$3 per 100, retailing at 75 cents per dozen; freesias, more plentiful, \$3. Some good lilac is seen and readily brings 50 cents per spray.

Plant trade is not as brisk as it has been. There has been much funeral work the past week.

Notes.

Florists of Youngstown and neighboring towns complain of the visits of Cleveland crape chasers; the disease is evidently contagious. Our neighbors can be assured of the sympathy of their fellow craftsmen of Cleveland.

Mr. Darnell, manager for J. M. Gasser, is on a trip south and intends making a short visit to Cincinnati.

Mr. Hippard, of Youngstown, was a visitor this week. O. A. C. O.

WASHINGTON.

Last week was a good one for all concerned. We had sunny weather for four days and as a result fine stock, good prices and a heavy demand. Everything from the Market was sold early. Brides, Maids and Meteors brought \$8 and \$10. Beauties are scarce, in fact none to be had. Lorraine, with two foot stems, brought \$10 to \$15. Perles are held at \$6, tulips \$2 to \$3, Romans \$2, valley \$4, smilax \$20, Harrisii and callas \$12.50.

American Rose Co. and J. R. Freeman are bringing in some extra fine carnations, including some very promising seedlings that sell for \$4 and \$6 and well worth it.

All uptown dealers report last week the best week of the season both for dinners and funerals.

J. D. Davidson, the popular and well known florist, has accepted a position with A. Gude & Bro.

F. H. KRAMER.

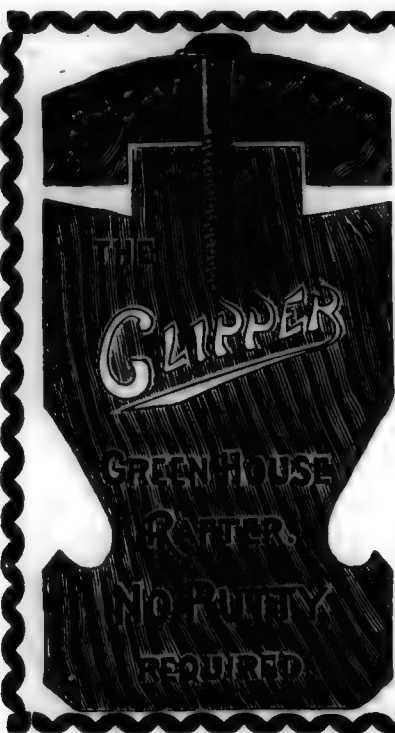
RICHMOND, IND.

J. A. Evans Married.

Mr. J. A. Evans, of the Quaker City Machine Co., this city, was married at Oak Hill, O., January 26, to Mary E. Williams, daughter of Benjamin Williams, of Oak Hill.

We extend hearty congratulations to the happy couple.

JAMESTOWN, N. Y. — The Lake View Rose Gardens is the title of a concern that is completing a range of houses that will consist of some 200,000 square feet of glass, to be devoted to the growing of roses, carnations and palms for the wholesale trade.



Butted Glass.

This is no longer an experiment, it has come to stay. There are various ways of making Butted Roofs, but the best way is with the

Clipper Bar.

With this bar you can make a roof that is absolutely free from drip, and glass cannot be torn out by the wind. Butted glass makes a tight roof, a warm house and saves fuel. It lasts longer, looks better and costs less than the old-fashioned roof. But do not think that this is the only bar we sell, for it is not; we furnish what people want and there is nothing in greenhouse material that you cannot get from us, and all of open-air-dried Cypress clear of bright sap, stained sap, knots and all other defects.

Lockland Lumber Co.

Write for Circulars
or Estimates.

Lockland, Ohio.

Mention The Review when you write.

...ROOTED CUTTINGS...

VERBENAS CARNATIONS

No better collection ever offered. Customers say they are the best they ever received from any one. Stock is in the best condition possible and prices are away down.

If you need any Rooted Cuttings of Carnations, send for list of varieties, samples and lowest prices ever quoted. You can save money by sending for my price list of Rooted Cuttings of other stock. I prepay express charges on all Rooted Cuttings at prices quoted.

S. W. PIKE, ST. CHARLES, ILL.

Mention The Review when you write.

F. & F. NURSERIES, SPRINGFIELD, NEW JERSEY

Wholesale Growers TREES and PLANTS in Full Assortment. ...TRADE CATALOGUE FREE.

Mention The Review when you write.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

SITUATION WANTED—By an experienced rose grower, age 30, single; \$30 per month, with board. Address G., care of Florists' Review.

WANTED—By an up-to-date florist and decorator, situation in a first class store in large city, can furnish the best of references. Address Artist, care of Florists' Review.

SITUATION WANTED—By young man, 5 year's experience in commercial work. Address A. A., care of Florists' Review.

SITUATION WANTED—As gardener on private place. Understand fully care of all trees, shrubs and hardy plants. Last employer (for 4 years) was Mr. W. C. Egan, Highland Park, Ill., to whom I refer as to ability and character. Address S. Dahlgren, Highland Park, Ill.

SITUATION WANTED—As working foreman, first class grower of roses, carnations, mums, etc. 18 year's experience. Best reference. Married. Address H., care of Florists' Review.

SITUATION WANTED—By good rose, carnation and violet grower. Good references. Address A. K., care of Florists' Review.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

FOR RENT OR SALE—First class retail stand, 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

WANTED—Married man, as working foreman; No. 1 rose grower; American Beauties a specialty; one who has worked around Chicago preferred. Will pay good wages. None but first class man need apply. Address J. Munro, Touhy, near Western Ave., Chicago. Station Y.

WANTED—Sober, industrious, reliable man to assist in greenhouses; must have experience in growing first class roses and carnations. Give references, wages per month with board and room. Good place; chance for advancement. Address O. W., Florists' Review.

SITUATION WANTED—By a practical florist, single; 10 years' experience in roses, carnations miscellaneous stock, etc.; good knowledge of floral work; strictly sober; east of Ohio preferred. State wages. Address E., care of Florists' Review.

FOR RENT—Cheap, 15,000 feet of glass in Chicago, houses nearly new, well stocked with carnations and pot plants, good retail trade. Party must buy stock. Address M. F., care of Florists' Review.

PUBLIC SALE—Of Real Estate, Greenhouses and well established Florist's business. Thursday, Feb. 16th, 1899, I will sell out my entire greenhouse plant, including dwelling. Sale to commence at two o'clock P. M. W. R. Shelmire, Avondale, Chester Co., Pa.

WANTED.

Two men thoroughly acquainted with soft wood cuttings of Shrubs and Roses, rapid in potting and familiar with Greenhouse work; also, foreman for our lower nursery and a boy to put in cuttings. All must be strictly temperate.

The Elizabeth Nursery Co., Elizabeth, N. J.

A Bargain! A good chance for the right man.

FLORAL STORE on one of our side business streets for sale at a bargain. Don't write unless you mean business. **WM. F. KASTING,**

495 Washington St. **BUFFALO, N. Y.**

Always Mention the....

Florists' Review

When Writing Advertisers.



51 Wabash Ave. CHICAGO.

W. S. HEFFRON, Mgr.

Price List taking effect Thursday, Jan. 26.

ROSES.

Am. Beauties, long, per doz.....	\$6.00—	
medium, per doz.....	2.00—	\$4.00
short, per doz.....	1.00—	1.50
Meteors, Maids, Brides and Kaiserin, per 100,	6.00—	10.00
Perles.....	4.00—	6.00
Roses, seconds, average.....	4.00—	

CARNATIONS

Are Our Specialty. Per 100

Fancy varieties, fancily grown.....	\$3.00—
Ordinary varieties, fancily grown.....	2.00—
Ordinary varieties, average stock.....	1.50—

Miscellaneous.

Alyssum.....	per 100,	\$.50
Freesia (strictly fancy).....	"	3.00—
Marguerites.....	"	.75—
Mignonette.....	"	3.00—
Forget-me-not (scarce).....	"	2.00—
Callas.....	per doz.,	1.50— 2.00
Harrisii.....	"	1.50— 2.00
Romans.....	per 100,	2.00—
Narcissus.....	"	3.00—
Tulips.....	"	3.00— 5.00
Valley.....	"	4.00—
Violets.....	"	.75— 1.00

Decorative.

ASPARAGUS.

Per string.....	\$.50—	.75
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FERNS.

Per 100, 20c.....	per 1,000,	\$1.50
Original cases, 4,000 to 6,000.....	"	1.25
Maiden Hair.....	per 100,	\$1.00—

GALAX.

Bronze and Green, per 100, 15c....	per 1,000,	\$1.00
Original cases, 10,000.....	"	.75

SMILAX.

Common, very fine.....	per doz.,	\$1.50
Wild, Parlor Brand case.....	"	3.75
Medium case.....	"	5.50
Large case.....	"	8.00

All other flowers in season at lowest market rates.

Above quotations are subject to change without notice. P. and D. at cost.

Extra select and inferior qualities charged for according to value.

Store open from 7:00 A. M., until 6:30 P. M. Sundays and Holidays closed at noon.

Mention The Review when you write.

PANSIES WORTH RAISING

Good Small Plants from cold frames or greenhouse only, at \$4.00 per 1000. All others not accessible at present. Cash with order. SEED as usual.

C. SOLTAU & CO., 199 Grant Ave., Jersey City, N. J.

Mention The Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.



Dreer's Reliable Flower Seeds

Knowing the importance of choice stocks to the florist, our constant endeavor is to furnish not the cheapest but the best of everything. The following list is only a few things which should be sown early, most of the new crops are now in stock. A few articles not yet to hand are expected daily, and can be forwarded on arrival.

	Trade Pkt.	Oz.
Ageratum Cope's Pet,		
Very dwarf, blue.....	\$0.15	\$0.40
Alyssum Little Gem, very dwf.	.10	.25
Aster Queen of the Market,		
earliest of all, white or purple,	.20	.75
In mixed colors.....	.15	.50
Aster Sample's Branching,		
a very select stock, white, pink,	.30	1.50
lavender and crimson.....	.30	1.25
Centaurea Gymnocarpa, 1000		
seeds, 25c.....	.10	.40
Cobaea Scandens, blue.....	.10	.30
Cyclamen Persicum, a grand		
strain in mixed colors.....	.30	1.25
Cyclamen Per. Giganteum, in		
white, blood red, rose or white		
with dark eye, 100 seeds, \$1.00;		
1000 seeds, \$9.00. In mixed col-		
ors, 100 seeds, \$1.00; 1000 seeds,		
\$8.00.		
Dracena Indivisa.....	.15	.40
Ipomoea Grandiflora, moon		
flower.....	.15	.50

	Trade Pkt.	Oz.
Lobelia Crystal Palace Com-		
paeta, true	\$0.40	\$2.00
Lobelia Speciosa, dark blue		
trailing.....	.20	.75
Mignonette Maohet, select		
stock.....	.15	.40
Mignonette Defiance, large		
spikes.....	.25	1.00
Petunia Dreer's Single		
Fringed, the best in the world	.50	
Petunia Dreer's Double		
Fringed, unequaled by any,		
500 seeds, 75c., 1000 seeds, \$1.50		
Phlox Drummondii Dwarf,		
mixed.....	.30	1.50
Salvia Splendens.....	.30	1.25
Salvia Bonfire (Clara Bedman),	.50	2.50
Smilax, fresh seed.....	.15	.35
Per lb., \$3.50.		
Verbena Mammoth, separate		
colors.....	.40	2.00
In mixed colors.....	.30	1.50

Our New Wholesale Price List will be mailed to all florists shortly. See that you get it.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

Mention The Review when you write.

ESTABLISHED 1802

THORBURN'S SEEDS

NOW READY:

SPECIAL PRICE LIST OF
CHOICE FLOWER SEEDS
FOR FLORISTS

FREE ON APPLICATION.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Mention The Review when you write.

....NOW IN COURSE OF PREPARATION....

THE Florists' Manual

By WM. SCOTT.

It will tell you just what you want to know in just the way you want to be told.
It will cover the whole field of Commercial Floriculture, the articles arranged alphabetically, so that reference may be quick and easy.
It will be a whole library in itself.

Price, \$5.00.

Send in your order now.

Florists' Publishing Company
520-535 Caxton Bldg., Chicago.

NEPHROLEPIS CORDATA COMPACTA.

Foliage a very deep green, growth strong and robust, making an ideal pot plant. It sells better than the Boston Fern and will stand more rough usage.

The Grandest of all Sword Ferns.

WE OFFER very fine stock at the following prices:

2½-inch pots, \$.75 per dozen; \$6.00 per hundred.
3-inch pots, 1.25 " 7.50 "
4-inch pots, 2.00 " 15.00 "

Terms: Cash with order.

Address **H. W. BUCKBEE, Rockford, Ill.**

Lock Box 911.

FOREST CITY GREENHOUSES.

Mention The Review when you write.

50,000 Rooted Cuttings

	Per 100
Begonia Incarnata Gigantea	\$2.00
" Rex, mixed, Mrs. Pollock.....	2.00
" Rex, 30 named varieties.....	4.00
Coleus, 50 varieties	1.00
mixed.....	\$5.00 per 1,000.
separate colors, 6.00.....	.75
Ageratum, Geraniums, mixed	1.00
Geraniums, separate kinds	1.50
bronze, lemon verbenas.....	1.50
silver leaf, rose scented.....	1.50
Mme. Sallerii, Vinca var.....	1.25
Impatiens Sultana, assorted	2.00
Pelargoniums, assorted, named	4.00

POTTED PLANTS.

Begonia Incarnata Gigantea	2½-in. 4.00
" Rex, mixed.....	4.00
" Rex, 30 named varieties.....	6.00
Cinerarias, best strains	3.00
Asparagus Plumosa Sprengeri	6.00
Impatiens Sultana	3.00
Geraniums, Silver Leaf	4.00
Lemon Verbena	4.00
Forget-me-not, winter flowering	3.00
Vincas Var., 2-inch, 3-inch, extra	\$2.00 to 4.00

Write for prices on other stock or for large quantities. Terms Cash or C. O. D.

GREENE & UNDERHILL,
Watertown, N. Y.

Mention Florists' Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

Pandanus Veitchii.

Strong Stock. Pedestal grown } \$1.00 each.
six-inch pots.....

Also all the larger commercial sizes.

Write for quotations.

John Welsh Young, - Germantown, Pa.

UPSAL STATION PENNA R. R.

Mention The Review when you write.

Ornamental Shrubs,

HERBACEOUS PERENNIALS.

A specialty of Iris, Phlox, Pæonies, Pyrethrums, Poppies, etc. Wholesale List on application.

JACOB W. MANNING,

The Leading ESTABLISHED 1854.
New England Nurseryman. READING, MASS.

Mention Florists' Review when you write.

SUBSCRIBERS...

Will confer a favor by sending us a correct list of the names and addresses of the florists in their city or town.

Florists' Publishing Co.,

520-535 Caxton Bldg., CHICAGO.

MADISON, N. J.

Mr. Louis A. Noe, son of L. M. Noe, the American Beauty grower, of Madison, was married on Wednesday, Jan. 18, to Miss Bertha S. S. Collins, at Tottenville, Staten Island, the father of the bride, the Rev. Robt. B. Collins, officiating.

The bridal party entered the parlor and took their position under a large and elegant canopy of smilax and American Beauty roses. The bride carried a handsome shower bouquet of Brides. The maid of honor and bridesmaids beautiful shower bouquets of Meteors. Miss Lillian N. Noe, as flower girl, carried a picture hat filled with roses and maiden-hair fern.

The house was artistically decorated by Chas. Witheridge, of Newark, N. J., with palms, garlands of smilax, Beauties and holly, the green and red making a very pleasing effect under the artificial light, as the curtains were drawn to exclude the sun. Tall vases, filled with long-stemmed American Beauties were placed around the mantelpieces. The table decoration consisted of a fine centerpiece of mixed roses. There were used about 150 strings of smilax and 500 roses.

After a southern trip Mr. and Mrs. Noe will reside in their beautiful new home, lately built, near Mr. Noe's extensive rose growing establishment, at Madison, N. J. PENN.

DETROIT.

With fine spring-like weather, trade has continued fair, with enough stock to supply the demand, possibly with the exception of some varieties of roses and white carnations. Violets are in plentiful supply, but are used up in funeral work.

Mr. Breitmeyer and Mr. Rackham will go to Philadelphia to attend the Carnation meeting and extend the invitation to hold the next meeting in Detroit.

At the last meeting of the club Mr. Rackham read a paper on Carnation Culture, which was discussed at length making the meeting a real carnation meeting.

The President appointed Mr. Taylor of Mt. Clemens to read a paper on Violet Culture on Feb. 15th, and as he is an adept, there will no doubt be a full house on that date.

RAG.

NEW BEDFORD, MASS.

At the last regular meeting of our club the following members were elected to office: Andrew J. Fish, president; Thomas White, vice-president; Peter Murray, secretary; Samuel S. Peckham, assistant secretary; Thomas S. Dahl, treasurer; committee, James Garthly, William Keith, August Jahn.

The club voted not to hold another chrysanthemum exhibition this fall, owing to lack of patronage by the public and failure financially.

PETER MURRAY, Sec'y.

REINBERG BROS.

600,000
FEET
OF
GLASS.Wholesale
Growers of

Cut Flowers

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.

51 Wabash Ave., CHICAGO

Mention The Review when you write.

Wholesale Price List.

AMERICAN BEAUTY		
Extra long stem...per doz.		\$8.00
24-inch stem.....		4.00 to \$5.00
20 " " " " " "		3.00
15 " " " " " "		2.00
12 " " " " " "		1.50
8 " " " " " "		1.00
METEOR.....per 100,		6.00 to \$8.00
BRIDESMATE.....		6.00 to 8.00
BRIDE.....		7.00 to 9.00
PERLE.....		5.00 to 6.00
CARNATIONS.....		1.50 to 2.00
" " fancy.....		3.00
Roman Hyacinths.....		2.00 to 3.00

Quotations subject to change without notice.
All other stock at lowest market prices.
No charge for packing.

S. B. WINTER,

L. P. KELLY, Manager.

Telephone Main 4508.

Consignment Solicited.
Quick Sales and Prompt Returns.
Special attention given to out of town orders.

Wholesale Commission Florist

19 & 21 Randolph St., Chicago, Ill.

And Dealer in FLORISTS' SUPPLIES.

Mention The Review when you write.

Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of
and Dealers in CUT FLOWERS

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.



Our prices are as low as any
and our stock superior.
We ask for a trial order.

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A. L. RANDALL
Telephone 1495
Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better
prepared than ever to handle your orders.
Mention The Review when you write.

WHOLESALE DEALER IN
GROWER OF ROSES. CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.

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C. A. KUEHN WHOLESALE
FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral
Designs. A full line of supplies always on
hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.
Mention Florists' Review when you write.



ST. LOUIS
Cut Flower Co.
Wholesale Florists,
1322 Pine St.,
ST. LOUIS, MO.

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ELLISON & TESSON,

WHOLESALE SHIPPING

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

...Home Grown Stock...

Mention The Review when you write.

C. W. WORS,

2740 Olive Street, - - ST. LOUIS, MO.

Flowers at Wholesale

ROSES, and a full line.

Headquarters for the Southwest.
Mention The Review when you write.

Always Mention the...

Florists' Review

When Writing Advertisers.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES,

88 Wabash Avenue, ^{Rooms} 22 and 23. ^{Long Distance Telephone} Express 466. CHICAGO, ILL.

CHOICE FLOWERS AT LOWEST MARKET RATES.

New Carnation Evanston.

A Scarlet
Tidal Wave.

We offer Rooted Cuttings of this fine **NEW SCARLET CARNATION**, which is, in our opinion, the best scarlet carnation in existence. After a three years' trial it stands at the head as a money-making commercial sort, the blooms of extra quality and produced with great freedom throughout the whole season. The color is a clear, brilliant scarlet, the growth strong, clean and robust. No scarlet carnation will give more satisfaction or better returns than EVANSTON.

Rooted Cuttings, \$7.00 per 100, \$60.00 per 1,000. 500 at the thousand rate. Orders booked now.

These cuttings are being grown by and may be obtained from
M. Weiland, Evanston, Ill.; John Weiland, Evanston, Ill., and John Didier, Rogers Park, Ill.

Mention The Review when you write.

F. F. BENTHEY, MANAGER.

BENTHEY & CO.,
Wholesale and Commission
FLORISTS,
41 Randolph Street, CHICAGO.

Consignments solicited.

Mention Florists' Review when you write.

HOLTON & HUNKEL CO.

Wholesale Florists
And Florists' Supplies.
Phone 874. WIRE DESIGNS—OUR OWN MAKE
457 Milwaukee St.

P. O. Box, 103. Milwaukee, Wis.

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Cincinnati Cut Flower Co.

416 Walnut St. Wholesale Florists
CINCINNATI, O.

W. A. MANN.
FRANK W. BALL.

Consignments Solicited.
Special Attention Given to Shipping Orders.

Mention The Review when you write.



WHOLESALE FLORIST,
11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.
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Maplewood Cut Flower and Plant Co.

GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We
have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.

Mention The Review when you write.

Palms and Ferns...

WE HAVE A LARGE STOCK IN FINE CONDITION.
We guarantee safe arrival if shipped by Express.

CORRESPONDENCE SOLICITED.

Ellis & Pollworth, - Milwaukee, Wis.

Mention The Review when you write.

ORCHIDS....

CATTLEYA FLOWERS of finest
quality always on hand. Orders from unknown
parties must be accompanied by cash. Orders
taken now for **Cattleya Labiata Plants**, spring
delivery.

Lager & Hurrell, Growers and
Importers.... Summit, N. J.

Mention The Review when you write.

Asparagus Plumosus Nanus.

	Per 100.
1000 Asparagus Plumosus Nanus, 4-in. pots,	\$15.00
1000 " " " " 5 " "	18.00
200 " " " " 7 " "	25.00
300 " " " " 8 " "	35.00

Write for prices on Carnation Cuttings.

W. F. KASTING,

495 Washington St. BUFFALO, N. Y.

Mention The Review when you write.

1840 Old Colony Nurseries. 1899

**HARDY SHRUBS, TREES, VINES,
EVERGREENS and PERENNIALS.**

A large and fine stock of well-rooted plants, grown
in a sandy loam. Good plants, best sizes for
planting; very cheap.

Priced Catalogue free on application.

T. R. WATSON, Plymouth, Mass.

Mention Florists' Review when you write.

Always mention the Florists' Review when
writing advertisers.

ANTON SCHULTHEIS, P. O. Box
78...
College Point, Queens Borough, N. Y.
HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity

Come, see **Ericas (Heather), also Full**
and con- **Line of Other Flowering Plants**
vince yourself. Price List on Application.

Mention The Review when you write.

Rooted Cuttings, Clean and Strong.

Heliotrope, blue and white, - - -	60c per 100
Ageratum, - - - - -	60c "
Coleus, 12 best varieties, - - - -	60c "
Fine Lantana, 2 colors, - - - -	\$1.50 "
2 1/2-inch Ageratum, - - - -	1.00 "
Plants. Petunias, 4 fringed varieties, - -	2.00 "
Coleus, 12 varieties, - - - -	1.00 "

Delivered free. If not satisfied, your money back
without discussion. (Reference: the Bank of Macomb.)

F. R. THORNTON, 607 E. Jefferson St., MACOMB, ILL.

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GERANIUMS

Grand bedders
Acteon, Bruantii,
Heteranthe, La
France, L. Kel-

way, Theocrite, Cts. de Castries and a host of
other double and single. Rooted Cuttings, \$1.40
per 100; \$10.00 per 1000. Replanted extra strong,
\$13.50 per 1000. **COLEUS**, Red Verschl. and G.
Bedder, by mail, 75c per 100. 25 Select Fancy, 85c
per 100. Full list of stock ready. Cash with order.

DANIEL K. HERR, - - Lancaster, Pa.

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Always mention the Florists' Review when
writing advertisers.

E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention The Review when you write.

DUTY ON WHEAT SHEAVES.

Sun-bleached wheat sheaves dutiable by assimilation as "natural flowers of all kinds, preserved, * * * suitable for decorative purposes," under paragraph 251, act of 1897, at 25 per cent ad valorem. —Appeal from unpublished decision of Board of General Appraisers.

Treasury Department, Jan. 9, 1899.

Sir:—The Department is in receipt of your letter of the 21st ultimo, together with a report of the appraiser at your port, dated the 16th ultimo, calling attention to the recent unpublished decision of the Board of General Appraisers, dated the 12th ultimo, on protests 39661f-11836 and 40285f-11870 of Knauth, Nachod & Kuhne, and C. B. Richard & Co., wherein it is held that certain so called sun-bleached wheat sheaves imported under the tariff act of July 24, 1897, are entitled to free entry under paragraph 566 of that act, under the enumeration for "textile grasses or fibrous vegetable substances, not dressed or manufactured in any manner."

You report that the merchandise in question consisted of natural wheat sheaves, especially manipulated and preserved for decorative purposes by treatment with sulphur or other chemicals, and cut into regular lengths and tied in bunches, and that duty was assessed thereon at the rate of 25 per cent ad valorem under the provision for "natural flowers of all kinds, preserved, suitable, for decorative purposes," as appeared in paragraph 251 of the act of July 24, 1897, by virtue of the similitude clause as contained in section 7 of the same act.

In reply, I have to inform you that, upon the facts stated, this Department does not concur in the conclusions reached by the Board of General Appraisers, to the effect that the merchandise is a textile grass or fibrous vegetable substance, not dressed or manufactured in any manner, within the meaning of paragraph 566. You are, therefore, hereby directed to file an application for review of the said decision, in accordance with the provisions of section 15 of the act of June 10, 1890.

Respectfully yours,

W. B. HOWELL,

Assistant Secretary.

Collector of Customs, New York, N. Y.

WORCESTER, MASS.

The printed schedule of premiums offered by the Worcester County Horticultural Society for 1899 has been issued. Twenty-one exhibitions are provided for during the year, extending from March 16 to October 12. Copies of the schedule may be had by applying to A. A. Hixon, secretary, this city.

IF YOU HAVE anything to sell to the trade, offer it in an adv. in The Review.

REGULAR SHIPPING ORDERS RECEIVE
SPECIAL ATTENTION.**W. J. VEASEY & CO.**

51 Wabash Avenue, Chicago.

WHOLESALE
GROWERS OF**Cut Flowers**

We Are Headquarters for...

AMERICAN BEAUTIES,of which we cut from 2,000 to 3,000 daily. Our **Brides, Meteors, Maids and Perles** were never better.**OF CARNATIONS**

we grow 50,000 plants of all the leading varieties, and they cannot be surpassed.

Mention The Review when you write.

Wholesale Price List.

Am. Beauty, extra long stem, per doz.	\$8.00
" 24-in. stem	4.00-5.00
" 20-in. "	3.00
" 15-in. "	2.00
" 12-in. "	1.50
" 8-in. "	1.00
Meteor per 100	\$6.00 to 8.00
Bridesmaid	6.00 to 8.00
Bride	7.00 to 9.00
Perle	5.00 to 6.00
Carnations	1.50 to 2.00
" fancy	3.00

All other stock at lowest market prices. No charge for packing.

M. RICE & CO.NEW ILLUSTRATED CATALOGUE
FOR THE ASKING.Exclusive Importers and
Manufacturers of**Florists' Supplies**

25 N. Fourth Street, PHILADELPHIA, PA.

Mention The Review when you write.

EASTER, 1899, IS COMING!Don't delay any longer
to order your**LILY OF THE VALLEY**, the cream of the market, Berlin pips, large bells, \$12.00 per 1000.**CRIMSON RAMBLER**, extra fine plants, \$25.00 per 100.**TUB. ROOT. BEGONIA HYBRIDA**, in four separate colors, bulbs about 1½ inches diameter,

\$2.50 per 100, \$20.00 per 1000.

GLOXINIA HYBRIDA CRASSIFOLIA ERECTA, \$1.50 per 100, \$30.00 per 1000.**CLEMATIS, RHODODENDRONS, SPIRAEA, PAEONIES, etc.**, now on hand.Terms to unknown correspondents,
cash; otherwise, 60 days.**F. W. O. SCHMITZ, Jersey City, N. J.**

Mention The Review when you write.

100,000 VERBENAS,THE CHOICEST
VARIETIES
IN CULTIVATION

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

{ No Rust or Mildew. ;
Packed Light and
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention The Review when you write.

GERANIUMS. S. A. Nutt, Marvel, and other
standard varieties, 2-inch pots,
\$2.00 per 100.**ASPARAGUS SPRENGERII.** Strong plants, 2½-
in. pots, \$6 per 100**BOUGAINVILLEA.** Large, bushy plants, 4-inch
pots, \$10.00 per 100.

CARNATIONS all sold.

NATHAN SMITH & SON, Adrian, Mich.

Mention The Review when you write.

INSURE AGAINST FIRE
IN THE**Florists' Mutual**

Fire Insurance Ass'n.

ADDRESS **W. J. VESEY, Sec'y,**
FORT WAYNE, IND.**DOUBLE FRINGED PETUNIAS.**

In this specialty we are prepared to supply the trade with Henry Dreer's latest set of new seedlings, sent out this year, the most gorgeous set of Petunias in existence. We have three houses planted for cuttings, so are prepared to supply unlimited quantities on short notice. Strong 2 in. plants, \$2.00 per 100; strong rooted cuttings \$1.00 per 100. Place your orders early, as there will be a great demand for this stock. No orders solicited for less than \$1.00. Cash with order. Send for our circular.

SOUTH SIDE FLORAL CO., - - - Springfield, Ill.

Mention The Review when you write.

"CONTINENTAL LIMITED."

NEW FAST TRAIN EAST VIA THE WABASH.

Leaves Chicago daily at 12:02 noon; arrives Detroit 8:20 P. M., Buffalo, 5:00 A. M. New York 3:30 P. M., Boston, 5:50 P. M.—only one night on the road. Through sleeper. Ticket Office, 97 Adams Street, Chicago.



Spring Seeds for Florists. — NEW CROP.

Verbenas, Stocks,
Nasturtiums,
Sweet Peas, Petunias,
and all other seasonable
seeds for Florists.

Headquarters for **FLORISTS' SUPPLIES**, Cut Flowers,
Wire Designs, and all Stock used by Florists.

VAUGHAN, McKELLAR & WINTERSON,
45, 47, 49 Wabash Avenue, Chicago.

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THE KINNEY PUMP

FOR APPLYING LIQUID MANURE IT HAS NO EQUAL

You may quote me as saying it is a
good thing.

W. N. RUDD.

MT. GREENWOOD, ILL.

TESTIMONIALS.

Have used one three winters and if I
could not get another I would not part
with it for \$30.

W. S. MAULL.

RUTLEDGE, PA.

THE HOSE CONNECTION CO., Kingston, R. I.

Mention The Review when you write.

IF You are ready for Young Roses

in 2-in. pots, send 50c or \$1 for samples of
what varieties you want. We also have
Rooted Cuttings and Roses and Carnations.

Write **GEO. A. KUHLE, Pekin, Ill.**

Mention The Review when you write.

The Cottage Gardens,

C. W. WARD, QUEENS, L. I.
Manager.

WHOLESALE GROWERS.

FLORISTS' SPECIALTIES.

Mention The Review when you write.

REED & KELLER,

122 W. 25th St., NEW YORK CITY.

Manufacturers of **WIRE & DESIGNS**
and Dealers in

FLORISTS' & SUPPLIES

Mention The Review when you write.

Brilliant Green and Bronze

Galax Leaves

CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.

Mention The Review when you write.

PALMS

All Home Grown, Strong and Healthy.

All Measurements are from Top of Pot, and don't you forget it.

ARECA LUTESCENS.

4-in. pot,	3 Plants,	Height.	Per doz.	Per 100
5	"	15 to 18 in.	\$ 3.00	\$25.00
6	"	20 to 22 in.	6.00	50.00
8	"	22 to 26 in.	9.00	75.00
10	"	28 to 30 in.	12.00	100.00
12	"	60 to 72 in., very bushy, ea.,	10.00	

A few bushy specimens, 14-in. pot, 1/2-ft. high, ea., \$25

JOS. HEACOCK,

WYNCOTE, PA.

Mention The Review when you write.

COCOS WEDDELIANA.

2 x 3-in. pot, 1 Plant,	Height.	per 100,	\$10.00
3	6 to 8-in.	"	15.00
4	8 to 10-in.	"	40.00
5	15-in.	"	15 to 18-in., ea., 50c.; doz. 6.00
6	15 to 18-in., ea., 50c.; doz. 6.00		

KENTIA BELMOREANA.

3-in. pots,	Leaves.	Height.	Per doz.	Per 100
4	4 to 5	10 to 12-in.	\$3.00	\$ 25.00
5	5 to 6	15 to 18-in.	6.00	50.00
6	6	18 to 20-in.	12.00	100.00
8	8	18 to 20-in.	15.00	125.00
10	10	24 to 30-in.	18.00	150.00

Burpee's Seeds Grow

ESTABLISHED
1866

EMIL STEFFENS

SUCC. TO H. STEFFENS.

AND STEFFENS BROS.



Mention The Review when you write.

SAMUEL S. PENNOCK, WHOLESALE FLORIST

OPEN DAY AND NIGHT—From 12 A. M., Mondays to 10 P. M., Saturdays.

A constant supply of SELECT VALLEY the year round.
AMERICAN BEAUTIES OUR SPECIALTY.

1612-14-16-18 Ludlow St., Philadelphia, Pa.

Mention Florists' Review when you write.

WESTERN PENNA. HEADQUARTERS FOR EXTRA FANCY STOCK.

PITTSBURG CUT FLOWER CO., Ltd.

705 Penn Avenue, PITTSBURG, PA.

Long Distance
Phone 2157.

Wholesale Florists.

Write for Price List.
Consignments Solicited.

Mention The Review when you write.

SHIPMENTS TO CANADA.

A Canadian subscriber writes that he has considerable trouble over shipments received from houses in the United States who fail to send invoices in duplicate, and to have them certified as required by the Canadian customs officials. He sends us the following notice to shippers that has been issued by the department:

Will the shippers please take notice that it is absolutely imperative in order to pass the Canadian customs to have this certificate either written, printed or stamped (not pasted or attached in any way) on the face or back of all invoices of goods entering Canada.

Form of certificate prescribed for invoices of merchandise sold to importers in Canada and exported thereto,—to be signed by a partner, official or employee of the exporter having a knowledge of the facts certified to and to be written, printed or stamped on the face or back of the invoices, viz.:

This invoice is true and correct, and where there is a difference between any of the prices shown therein, and the ordinary credit prices at which the same articles are now sold bona fide by the exporter in like quantity and condition at this place for consumption in this country the latter prices are shown on the margin or elsewhere on such invoice. Dated at the day of, A. D.

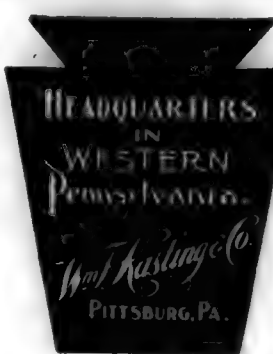
Exporter.

THE catalogue of ornamental trees, plants, shrubs, vines, etc., issued by Samuel C. Moon, Morrisville, Pa., is of more than usual interest. It is illustrated by numerous fine half-tone engravings from photographs which show the subject with perfect fidelity. Especially interesting are the two full page groups, each showing branchlets of ten different sorts of evergreen conifers. The list of hardy plants will probably be of most interest to the florist and the collection seems to include all the most useful ones.

CRAWFORDSVILLE, IND. — The seed house of Crabb & Reynolds was seriously damaged by fire and water January 7. Loss covered by insurance.

ROSES, Carnations, VALLEY, FERNS, GALAX and IVY LEAVES, and all kinds of Seasonable Flowers in Stock.

Consignments of good stock solicited.



We get daily new customers because we have the reputation that all orders are punctually filled.

Long Distance Telephone 2985.

WM. F. KASTING & CO., F. STOKES, Manager.

Wholesale Florists. 444 Sixth Ave.

All kinds of FLORISTS' SUPPLIES and WIRE DESIGNS on hand.

Mention Florists' Review when you write.

KELSEY'S SOUTHERN Galax Leaves

Brilliant Green and Bronze.

Information of the Introducer,

HARLAN P. KELSEY,

Prop. Highlands Nursery in North Carolina. 1106 Tremont Bldg., BOSTON, MASS.

Mention The Review when you write.

Cut Flower Exchange,

404 - 412 East 34th St., New York,

NEAR THE FERRY.

Open Every Morning at 6 o'clock for the sale of CUT FLOWERS.

Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

Mention The Review when you write.

HOUSE PLANTS IN THE HOUSE.

The PLANT trade from the point of "business," and also the care of Plants, treated in an attractive six-page Folder to be given to customers

Sample order of 25 copies mailed for 60c in stamps

Dan'l B. Long, Publisher, Buffalo, N. Y.

Mention The Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.



WM. F. KASTING, Wholesale Commission Florist.

495 Washington St., BUFFALO, N. Y.

Also Dealer in Florists' Supplies and Wire Designs.

Mention Florists' Review when you write.

WM. J. BAKER,

WHOLESALE CUT FLOWERS,

1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

Mention The Review when you write.

WM. C. SMITH

Wholesale Florist,

1604 Ludlow St. PHILADELPHIA.

LONG DISTANCE PHONE.

Consignments of Choice Stock Solicited.

Our central location enables us to fill out-of-town orders at short notice.

Mention Florists' Review when you write.

EDWARD REID,

Wholesale Florist,

LONG DISTANCE PHONE.

1526 Ranstead St., PHILADELPHIA, PA.

Mention The Review when you write.

GLADIOLUS.

A mixed lot, will be closed out cheap. About 30 bushels of Bulbs, Bulblets and

Spawn. Samples of each size mailed for 10c.

Descriptive catalogue and wholesale price list of Ornamental Nursery Stock for all in the trade.

SAMUEL C. MOON,

Morrisville, Bucks Co., Pa.

Mention The Review when you write.

Rose Hill Nurseries.

Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

Largest stock in America.

SIEBRECHT & SON,

New Rochelle, N. Y.

Mention Florists' Review when you write.

Bassett & Washburn's

ROOTED CUTTINGS OF

ROSES AND CARNATIONS

Are as Good as can be Grown and Free from Any Disease.

We shall Have a nice lot of **PLANTS** later.
Place your orders early if you wish the best.

We Guarantee what we say.
Orders filled in rotation.

BASSETT & WASHBURN,

Greenhouses and Residence,
HINSDALE, ILL.

Long Distance 'Phone No. 10.

Store, 88 Wabash Avenue,
CHICAGO, ILL.

Long Distance 'Phone Main 223.

Mention The Review when you write.

CHEAP

A remarkably fine lot of **Argentia Guttata Begonias**, from 3½-inch pots, in splendid shape for immediate sales. They are now ready for a 5-in. shift. Price, **\$3.00** per 100.

Also the following:

Rex Begonia, from 3½-in. pots, magnificent plants, **\$4.00** per 100.
Abutilon, red, yellow and white, from 2-in. pots, **\$2.00** per 100. Cash please.

Edward B. Jackson, Stamford, Conn.

Mention The Review when you write.

H.W. BUCKBEE

Seed Specialist,

Rockford Seed Farms.
Forest City Greenhouses.

Lock Box 911. **ROCKFORD, ILL.**

Special Prices Upon Application.

Mention The Review when you write.

THE HARRISH DISEASE can be prevented by immersing the bulbs for 5 hours in a half solution of

Kraft's Plant Tonic

99 per cent

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills Hard Shelled Scale, Mealy Bug, and other insect pests without injury to the plant. Send for circular.

KRAFT PLANT TONIC CO. Rockford, Ill.

Mention The Review when you write.

LIVINGSTON'S TRUE BLUE Tomato Seeds

There are just two qualities of Tomato Seeds, "Livingston's" and "Others." Almost any tomato seed will grow, but "What will the harvest be?" Our specialty is **The Best Seeds for the Market Gardener.** Send for Catalogue and Gardener's List.

THE LIVINGSTON SEED CO., Seed Growers, Columbus, Ohio.

Mention The Review when you write.

NOW IN COURSE OF
PREPARATION ...

IT WILL COVER the whole field of Commercial Floriculture, the articles arranged alphabetically so that reference may be quick and easy. It will be a whole library in itself.

THE FLORISTS' MANUAL

By WILLIAM SCOTT.

IT WILL TELL YOU just what you want to know in just the way you want to be told.

Send in your order now.

Price, **\$5.00**

Florists' Publishing Company,
520-535 Caxton Bldg., CHICAGO.

ROSES.

	100	1000
Meteor	\$1.50	\$12.50
Bridesmaid	1.50	12.50
Bride	1.50	12.50
Perle	2.00	17.50
Kaiserin	2.00	17.50

CARNATIONS.

PINK.

	100	1000
Triumph	\$1.50	\$12.50
Wm. Scott	1.00	7.50
Painted Lady	4.00	35.00
Daybreak	1.50	12.50
Argyle	4.00	35.00
Mrs. Frances Joost	3.00	50.00
McBurney	1.50	12.50

RED.

Dazzle	4.00	35.00
Jubilee	2.00	17.50
Portia	1.00	7.50
Bon Ton	4.00	35.00

MAROON.

Empress	4.00	35.00
---------------	------	-------

WHITE.

Flora Hill	1.50	12.50
Mary Wood	5.00	40.00

The largest and best White Carnation that is grown. Has a strong stiff stem and a constant bloomer. Sell in the market today for nearly double any other White Carnation we handle.

Evelina	4.00	35.00
White Cloud	4.00	35.00

VARIEGATED—White and Red.

Mrs. Geo. Bradt	5.00	40.00
Psyche	4.00	35.00
Armazindy	2.00	17.50

YELLOW.

Mayor Pingree	2.00	17.50
Gold Nugget	6.00	50.00

Always mention the Florists' Review when writing advertisers.

Our 1899 Trade List

Will consist of 46 pages of accurate descriptions of valuable Florists' novelties and standard plants. It will be superbly illustrated with excellent reproductions from photographs of the leading novelties which are described therein, consisting of

50 NEW AND SCARCE GERANIUMS, comprising the latest productions of the English and French Hybridizers.

3 SEEDLING CARNATIONS of our own growing and one by Mr. Dorner, every one of which is a money-maker and unsurpassed in its class.

2 NEW CHRYSANTHS of our own introduction, also the cream of the Novelties offered by other hybridizers in Chrysanthums and Carnations, as well as many new and valuable florists' plants, such as **NEW CALLAS, NEW PELARGONIUMS, NEW ABUTILONS, NEW ASPARAGUS, NEW ACALYPHA SANDERI, NEW DAHLIAS, CANNAS**, and many other valuable plants too numerous to mention.

THIS LIST WILL BE VALUABLE TO EVERY PLANT GROWER IN AMERICA. **WATCH FOR IT**, and don't fail to send us your name and address if you wish to keep up with the march of improvement in the plant trade.

THE COTTAGE GARDENS, QUEENS, N. Y.

Mention Florists' Review when you write.

PITTSBURG.

The Pittsburg and Allegheny Florists' and Gardeners' Club held a meeting Thursday night, January 19, six months having elapsed since the last meeting.

Owing to causes not quite clear the enthusiasm of the club was sadly on the wane last year, and at last it became impossible to secure a quorum. Interest in the club has revived and it is now contemplated to carry on work with the same spirit shown at its organization. To that end it has stricken from its rolls many delinquent members and at the same time received applications from several desiring to join the club.

Nominations for officers for the ensuing year were made and the election will take place at the next meeting.

Mr. Charles T. Siebert displayed a choice lot of red carnation "America" sent to him by E. G. Hill & Co., Richmond, Ind. Mr. Siebert is full of enterprise and always eager to avail himself of any novelty in culture. T. P. L.

RUMSON, N. J.—The greenhouses of L. Loeb were destroyed by fire January 5.

ROCHESTER, MINN.—Mrs. J. Hyde has sold her greenhouse to Arthur Williams, who will continue the business.

UNION CITY, PA.—F. J. Dodson, formerly of Gloversville, N. Y., has rented the greenhouses of W. J. Olds, here.

WASHINGTON C. H., O.—Beeler & Cheney have succeeded Q. A. Flisk, The firm is composed of Clarence Beeler and Chas. Cheney.

MEADVILLE, PA.—Christmas trade was good, but would have been better if flowers hadn't been so scarce. Sold about three times as much holly as last year. Roses retailed at \$2 to \$2.50 a dozen; carnations (very scarce), 75 cents a dozen. More call for blooming plants, which sold well.

January Price List-1899

CARNATION ROOTED CUTTINGS NOW READY.

Rebacco, seedling by Dorner, fancy, stem as long as Pingree and bloom same size, yellow, brown, splashed light pink, fine per 100 \$5.00
Argyle, fine dark pink 4.00
Tidal Wave, discarded for Argyle.
Empress, one big crop 4.00
Evelina, best paying white we have 3.00
Mayor Pingree, large cream 1.50
Gold Nugget, best yellow, but small 6.00
Painted Lady 3.00
Psyche, variegated 3.00
Mrs. G. Bradt, a dandy 4.00
Flora Hill, big white 1.50
Daybreak, shell pink 1.50
Triumph, big pink 1.50
Jubilee, scarlet 1.50
Above are all healthy, strong, rooted cuttings, up-to-date bloomers.
Estimates given on 1,000 to 50,000 lots.

September Rooted 2 1/4-in. Pot Plants, Per 100
New Coleus, Brownia, a fine bedder \$5.00
Velvet Plant, big seller 3.00
Geranium, DeRoo Mitting, a cross between S. A. Nutt and Cloth of Gold, foliage like Cloth of Gold and bloom like S. A. Nutt, double, per plant \$5.00 each.
Geranium, Mme. Salleron 2.00
Geranium, fancy foliage, 6 varieties 3.00
Geranium, White, White Swan, Hermine, La France, Mrs. G. M. Gaar, Cts. de Harcourt, Alpine Beauty and Mme. Rozain 2.00
White Geraniums, in 500 and over lots 1.00
Feverfew, Little Gem 2.00
Southern Thyme 2.00
Salvia, 3 good varieties, Clara Bedman, Le President and Vernon 2.00
Abutilons, Souv. de Bonn and Triumph de Louvii 2.00
Smilax 1.00
Heliotropes, White Lady, Albert Dix and Czar 2.00
Ivy Geraniums, mixed 2.00
Coleus, up to date, 14 varieties 2.00
Mesembryanthemum Erectum 5.00
Begonia Erferdi, in bloom 2.00
Begonia Sandersonii, in bloom 2.00
Begonia Hybrid, in bloom 2.00
Begonias, flowering, 20 varieties, our select'n 2.00
Five plants at 100 rates. Spot cash.

SEEDS.

Pansy—Mitting's, giant flowering, 1/4 ounce, \$1.00
Verbena—Mammoth, mixed 1 ounce, 4.00
Asters—Perfection, separate colors 1/4 ounce, 1.00
Primula Obconica, trade packet, 25c, 50c and 1.00

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MORRIS, ILL.

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YOU RUN NO RISK.

All Carnation Cuttings are sent out with the privilege of returning them at my expense if they are not found satisfactory on receipt and your money returned in full.

I have from 1,000 to 5,000 stock plants of each of the leading varieties, and offer Rooted Cuttings at very reasonable prices. Correspondence solicited.

UNCLE WALTER-- This is another one of Tidal Wave's many sports and I presume it is the same and just as good as any of its other ones. I can vouch for its goodness and that it is a scarlet sport from Tidal Wave. Rooted Cuttings can be had at \$5.00 per 100 or \$40.00 per 1000, either from JOHN MURCHIE, Sharon, Pa., or ALBERT M. HERR, Lancaster, Pa.

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LANCASTER, PA.

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Healthy Rooted Cuttings Ready Now.

WHITE CLOUD. EVELINA.
GOLD NUGGET. MRS. JAS. DEAN.
PAINTED LADY. NEW YORK.
BON TON. EMPRESS. PSYCHE.
\$5 per hundred. \$40 per thousand.
FLORA HILL. VICTOR. TRIUMPH.
MAYOR PINGREE. ALBA SUPERBA.
\$3 per hundred. \$25 per thousand.
DAYBREAK. Wm. SCOTT. HECTOR.
JUBILEE. MINNIE COOK.
\$2 per hundred. \$15 per thousand.
ARMAZINDY, \$2.50 per hundred, \$20 per thousand
The greatest scarlet of them all is HECTOR.

Pennrock Co., Box 252 Wilmington, Del.

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ST. CLAIR GO. CARNATIONS.....

ROOTED CUTTINGS. NO DISEASE.

Rose Queen, Wm. Scott, Emma Wocher, Daybreak, Alaska, McGowan, Ruby, Jubilee, \$1.50 per 100, \$12.00 per 1000; Alyssum Double, \$1.00 per 100.

A. G. FEHR, Belleville, Ill.

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SANDUSKY



One-Half Natural Size.

THE COMING ALL 'ROUND VARIEGATED CARNATION

Tested four years.
Flowers from 2½
to 3½ inches. The

engraving shows a flower one-half natural size. Early and continuous throughout the season. The color being a pearly white ground, petals bordered with carmine flakes and pencilings from one-quarter to one-half inch deep, which show up distinctly. Good substance and keeper. Different from any other variegated carnation sent out. A strong grower, robust and bushy, somewhat like Portia, flowers and stems above the foliage. Stems 16 to 24 inches long, heavy and strong. Calyx large and perfect; never bursts. Never had rust.



Rooted

\$2.00 per dozen,

Cuttings

\$10.00 per hundred,

\$75.00 per thousand.



W. E. HALL, Clyde, Ohio.

AGENT FOR CHICAGO: W. E. LYNCH, 19-21 RANDOLPH STREET.

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GRAND RAPIDS.

The weather has been changeable the past week, from mild and rainy to cold, with present indications of a heavy snow storm. Business continues active. Flowers are scarce in the surrounding towns which betokens a general healthy business activity, and has resulted in continuous, heavy and frequent shipments to outside cities, making flowers somewhat scarce in the home market, particularly carnations, Daybreak and white; the mixed colors are a little more plentiful. Some growers are off crop with roses, but expect to be in again in time for Easter. Carnations are 25 to 35 cents per doz.; roses, 75 cents to \$1.00; those at the latter price are fine; violets, 15 to 25 cents; paper whites, 75 cents; valley and Romans, 50 cents, and Harrisii, \$1.50 to \$2.00.

Elh Cross, foreman for Crabb & Hunter, is seriously sick with pleuro pneumonia. His many friends are much concerned about his recovery.

Another brilliant society event was the Mrs. Geo. B. Duglass dancing party at the St. Cecelia. The entire walls were covered with pink cheese cloth. Directly under the ceiling, the cloth formed a band round the room four feet wide; this band was bordered top and bottom with a ten-inch wide border of holly; between the double bands of holly, were hung at convenient distances, twenty-five Empire wreaths of holly 2 ft. in diameter, tied with a large bow of pink ribbon. At the north end was built a series of round columns in the form of a semi-circle, surmounted at the center by a balcony for the music, also to represent a flower garden, being lavishly banked with palms. It was a reproduction of Napoleonic architecture. The columns were twined with garlands of artificial roses in two shades of pink. Wild smilax was effectively used in front of the gallery and extending along the top timber of the supporting columns to each side of the room; back of the columns and against the wall was a solid block of mirrors.

At the south end, to further carry out the architectural design, was a semi-circular seat in one piece, the width of the room, padded heavily with cotton batting and covered with the pink cheese cloth, the effect was charming. In the dining room, besides the banking of the massive mantel, there was a center piece of Bridesmaid roses, four foot long by 16 inches wide, for the center table. The floral decorations were done by Crabb & Hunter.

The banquet of the Florists' club, by request of J. A. Creelman, was postponed one week to give more time to secure suitable talent to entertain the club at its annual feast.
GEO. F. CRABB.

Carnation Seeds and Carnation Seedling Plants

From Hand Fertilized, Winter Blooming Varieties.

100 Seeds for 25 cents }
100 Plants for \$4.00 }

Postage Prepaid.

25 Plants at 100 rate. Cash with order.

AMERICAN ROSE CO., WASHINGTON, D. C.

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CARNATIONS...

ROOTED CUTTINGS.

G. H. Crane—The leader, large brilliant scarlet. Early and continuous bloomer.

Gen. Maceo (Ward) Maroon scarlet. The best of its class. Early and free.

Gen. Gomez (Ward) Cardinal maroon. Free bloomer.

Glacier (Ward) Pure white, dwarf habit.

America (Hill) Large soft scarlet.

Melba (May and Craig) Light pink.

White Cloud. All who have tried this variety declare it to be the best white carnation ever introduced.

Gold Nugget, yellow. **New York**, cerise pink.

Mrs. Jas. Dean, light pink. **Mary Wood**, white. **Mrs. Geo. M. Bradt**.

Also, the best of all the other 1898 and standard varieties. **We have a FINE STOCK of**

EARLY CUTTINGS READY NOW.

Send for our complete descriptive Price List.

Dwarf Yellow Lantana...

Grows only eight inches high and always covered with bloom. Fine for bedding.

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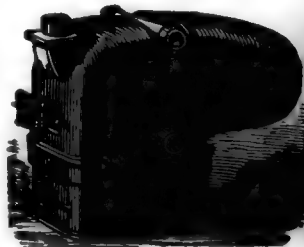
FELTHOUSEN Wants Room.

Read this and let us hear from you.

Remember, our Geraniums are grown in flats and in soil. Our selection, \$1.50 per 100, \$12.00 per 1,000. Mme. Salleron, same price and grown in soil. Rose Geraniums, \$2.00 per 100. Ageratum, blue and white, 60 cents per 100, \$5.00 per 1,000. Fuchsias, standard sorts, \$1.50 per 100, \$12.00 per 1,000. Fever Few, Little Gem, from flats and in soil, \$1.25 per 100, \$10.00 per 1,000. Salvia Splendens and Bedman, \$1.00 per 100. Heliotrope, six varieties, \$1.00 per 100, \$9.00 per 1,000. Vinca Variegata, cuttings, \$1.25 per 100, 4-in. stock, fine, \$8.00 per 100, \$50.00 per 1,000. Coleus, all the best varieties. C. Verschaffeltii and Queen, 75 cents per 100, \$8.00 per 1,000. Coleus, in variety, 60 cts. per 100, \$5.00 per 1,000. The above are Rooted Cuttings, except when noted.

Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y.
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HITCHINGS & CO.
233 MERCER STREET, NEW YORK.
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VENTILATING APPARATUS
HOT WATER BOILERS, PIPES AND FITTINGS.
SEND FOUR CENTS FOR CATALOGUE.

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CARNATIONS...

AMERICA. The largest and most perfect shaped scarlet Carnation produced thus far; producing immense quantities of its soft, scarlet flowers. Of extra robust growth; free in the production of bloom. A good commercial variety. Preliminary certificate A. C. S., at Chicago.

G. H. CRANE. (Dorner.) A long-stemmed bright scarlet, free, profuse, and constant bloomer. It comes into bloom early and yields both quality and quantity; stem long and stiff from the beginning to end of season. Tested three years and proved all right as a commercial variety. Certificate A. C. Society.

MELBA MAY AND CRAIG.

A grand combination of good qualities, free bloomer, early and continuous. In point of color the finest pink Carnation yet produced, large and perfect in form, very fragrant and with a long, stiff stem.

MAUD ADAMS. (Niquet.) Deep clear cerise of a very pleasing shade under any light; most attractive color of its class; a large, bold, handsome flower, with extra strong stem, 18 to 24 inches high; with good calyx and exceedingly free flowering.

Price for above four varieties, \$10.00 per 100, \$75.00 per 1,000.

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RICHMOND, IND.

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Look at our Prices.

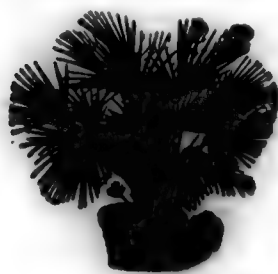
38 varieties Verbenas rooted cuttings 60c per 100, \$4.00 per 1000, 5000 for \$18.00; Heliotrope rooted cuttings, 8 varieties, 80c per 100, \$6.00 per 1000. Petunias, 15 of the best and latest varieties, rooted cuttings, \$1.25 per 100; Coleus, 20 good named kinds, rooted cuttings, 70c per 100, \$6.00 per 1000; Ageratums, white and blue, 50c per 100, \$4.00 per 1000 rooted cuttings. Pelargoniums, 2½-in. pots, \$4.00 per 100. Mums, 50 latest and best varieties, rooted cuttings.

Send for list. We prepay all rooted cuttings and satisfaction guaranteed. This is cheap, but it don't cost us anything to grow them. CASH WITH ORDER.

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PALMS.

Measurements, top of pot to top of tallest leaf.

VARIETIES.	SIZE POT.	HEIGHT INCHES.	CHAR. LEAVES.	PRICE EACH.	DOZ.
Areca Lutescens.....	5-in.	22-28	6-10	\$0.50	\$ 5.00
" ".....	6-in.	24-28	8-10	.75	9.00
" ".....	8-in.	40-50	15-20	2.50	30.00
Cocos Weddelliana.....	8-in.	10-14	4-6	.25	2.50
Kentia Belmoreana.....	6-in.	24-28	5-7	1.50	18.00
" ".....	8-in.	36-40	4-6	2.50	30.00
" Forsteriana.....	6-in.	32-36	3-5	1.25	15.00
Latania Borbonica.....	4-in.	14-16	2-3	.25	3.00
" ".....	6-in.	20-24	5-6	.75	9.00
" ".....	8-in.	24-30	5-6	1.50	18.00
" ".....	9-in.	34-36	7-8	2.50	30.00
Phoenix reclinata.....	5-in.	18-20	4-5	.50	5.00
" canariensis.....	6-in.	22-26	5-6	.75	9.00
" ".....	7-in.	26-30	8-10	1.00	12.00

If in need of large specimens of Latania Borbonica, Corypha, Areca Lutescens, Pandanus Utilis or Veitchii, etc., write us for sizes and prices.

MISCELLANEOUS.

	EACH.	DOZ.
Auracaria Excelsa, from 6-in. pots, perfect plants.....	\$1.50	\$18.00
" ".....	2.00	24.00
" ".....	3.50	40.00
Asparagus Sprengerii, 4 " nice plants.....	.20	2.00
" ".....	.25	3.00
" Plumosus Nanus, 2 ".....	.50	6.00
" ".....		1.00
" ".....		1.50
Dracaena fragrans, strong plants from 5-in. pots.....	.50	5.00
Pandanus utilis, " ".....	.50	5.00
Veitchii, " ".....	2.00	24.00
Peperomia Verschaffeltii, strong plants from 3-in. pots.....		1.00
" ".....		1.50
Sansevieria Javanica Variegata, from 3-in. pots.....		1.25
Cyperus alternifolius, strong plants, 4 ".....		1.00
" ".....		1.50
Selaginella Emilliana, nice plants from 4-in. pots.....		1.50
Martensii, " ".....		1.50

FERNS.

VARIETIES.	Size Pot.	Doz.	Per 100
Adiantum cuneatum.....	2-in.	\$0.50	\$ 4.00
" ".....	3-in.	1.00	8.00
" ".....	5-in.	2.00	16.00
Cyrtomium falcatum.....	3-in.	1.00	8.00
Lomaria gibba.....	3-in.	1.00	8.00
" ".....	4-in.	1.50	12.00
Nephrolepis pectinata.....	4-in.	1.50	12.00

VARIETIES.	Size Pot.	Doz.	Per 100
Nephrolepis pectinata.....	6-in.	3.00	25.00
" exaltata.....	4-in.	1.50	12.00
" ".....	5-in.	2.00	16.00
" Bostoniensis.....	10-in.	30.00	
" ".....		\$2.50 each.	
" Philipensis.....	4-in.	1.50	12.00
Pteris Umbrosa.....	2-in.	.50	4.00
" serrulata.....	2-in.	.50	4.00

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SOIL.

Pine Needle Soil, fine for palms and ferns, large barrels, \$1.50 each.

WREATHING.

We keep in stock wreathing made both from cedar and lycopodium, and are offering same at \$1.00 per 100 yards.

...CARNATIONS...

Rooted Cuttings of the following varieties are NOW READY:	Per 100.	Per 1,000.
Gold Nugget, yellow.....	\$6.00	\$50.00
Mrs. Geo. M. Bradt, variegated.....	5.00	40.00
Mrs. Jas. Dean, light pink.....	6.00	50.00
Argyle, dark pink.....	5.00	40.00
Mrs. Frances Joost, pink.....	5.00	40.00
Flora Hill, white.....	3.00	20.00
Evelina, white.....	4.00	30.00
New York, dark pink.....	5.00	40.00
Bon Ton, scarlet.....	6.00	50.00
Uno, Young, white.....	5.00	40.00
Jubilee, scarlet.....	3.00	25.00
Victor, pink.....	3.00	20.00
Armazindy, variegated.....	3.00	20.00
Daybreak, light pink.....	2.50	20.00

Catalogue ready February 1st.
Highest quality of Cuttings, well rooted.

Chicago Carnation Co.

Greenhouses and Address,

JOLIET, ILL.

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The MODEL Extension Carnation Support.

Read what some of our best growers say concerning it.

Cleveland Ohio, Jan. 16, 1899.
Mr. Theron Parker. Dear Sir:—We have had your Model Carnation Support in use for some time now, and think it far superior to anything we have ever tried before. Yours very truly, ELLA GRANT WILSON.

Other testimonials will appear weekly. Write for prices.

THE MODEL PLANT STAKE CO.,
22 Morton Street. Brooklyn, N. Y.

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NEW CARNATION

GOV. GRIGGS

SEEDLING OF VAN LEEUWEN
ON DAYBREAK.

Strong, healthy grower, free from disease of all kinds, continuous free bloomer with flowers very erect on a stiff stem, 18 to 20 in., flowers similar in color to Daybreak, but much brighter, edge beautifully fringed, good shape and with full center, and does not burst, commands the highest prices in New York for novelties. Having been grown by us for the past four years we can with confidence recommend it to the florists of America as one of the best if not the best light pink Carnation ever sent out. Orders are now being booked for rooted cuttings to be delivered February 1st, 1899. Price \$75.00 per 1000, 500 at 1000 rate, \$10.00 per 100, \$2.00 per dozen.

All orders filled strictly in rotation.
Cash with order from unknown correspondents.
A personal inspection invited.

Joseph Towell,

HALEDON AVE.
NURSERIES.

PATERSON, N. J.

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Live Sphagnum Moss

For Orchids, etc., \$1.25 per bbl.

Sphagnum Moss

First quality, \$1.00 per bale; 10 bales, \$8.00.

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Jubilee and Triumph, the best red and pink, rooted, strong and clean, \$1.40 per 100 not rooted, strong and clean .75
Albertini and Della Fox, very fine stock, rooted, strong and clean \$1.50 per 100 not rooted, strong and clean 1.00
Daybreak, Ivory and McGowan, rooted, extra strong \$1.00 per 100 not rooted, extra strong .50

CASH WITH ORDER.

LE MARS GREENHOUSES, Le Mars, Ia.

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Rooted Cuttings of Novelties and Standard varieties. Send for price list.

Also Lady Campbell, Swanley White and California Violets and Giant Double Alyssum.

W. R. SHELMIER, - AVONDALE, PA.

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Rooted Cuttings of
New Varieties of Carnations.

Special prices to those who issue lists or buy to sell again. Let us know what you are going to need.

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BENTON HARBOR, MICH.—The Wolverine Beet Sugar Co. has ordered 65,000 pounds of beet sugar seed from Germany and a large factory is to be operated here to manufacture sugar from the beets.

JACKSONVILLE, FLA.—Mrs. Kate Hulence, the florist, has moved to her new store at the corner of Sixth and Main streets, and is making some very effective window displays.

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MERCHANDISE FOR THE HOME, FARM and FIELD

GALVANIZED WIRE
100 POUND ROLLS—SHORT LENGTHS
RUN FROM 65 FEET UP. PRICE
PER ROLL 100 POUNDS \$1.15.

OUR ANY GAUGE PRICES ARE 1/2 FROM 8 TO 16 OF OTHERS.

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OF EVERY DESCRIPTION

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NO FLAMES!

Lehman's Wagon Heaters

Over 100,000 in Use.

Cost of Operating less than one cent per hour.
Thoroughly reliable, inexpensive and durable.

Send for Descriptive Circular and Price List.

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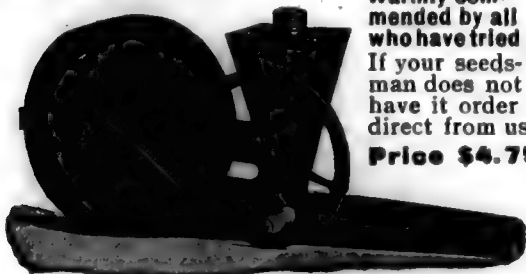
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THE WEEKLY FLORISTS' REVIEW

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Vol. III.

CHICAGO AND NEW YORK, FEBRUARY 2, 1899.

No. 62.

DELPHINIUMS.

This genus comprises annuals, biennials and perennials. Usually the name "Larkspur" is applied to the annual form.

There is no class of plants that yields more readily to generous treatment than the delphinium and few deserve

more attention. The bed for the perennial forms should be deeply dug and heavily manured, and every three years the clumps should be lifted and fresh soil be given before replacing.

While they will stand some shade, a sunny situation suits them better. They should be planted at least three feet apart as they occupy considerable

room and grow to a height of from five to six feet.

There are many named varieties, both single and double, that possess exquisite coloring. These as a rule can be increased only by division in the fall or spring, or by cuttings taken at the same periods, and placed singly in pots in a cold frame.

D. grandiflorum, a more dwarf variety, will bloom the first year from seed if started early and well treated. There is a form of *D. grandiflorum* catalogued as *D. chinensis* that contains some tints of blue that are charming. With this variety it is well to grow quite a batch and weed out the poor colored ones; those remaining will well repay the trouble.

BELLEROPHON.

CLOTH FOR HOTBEDS.

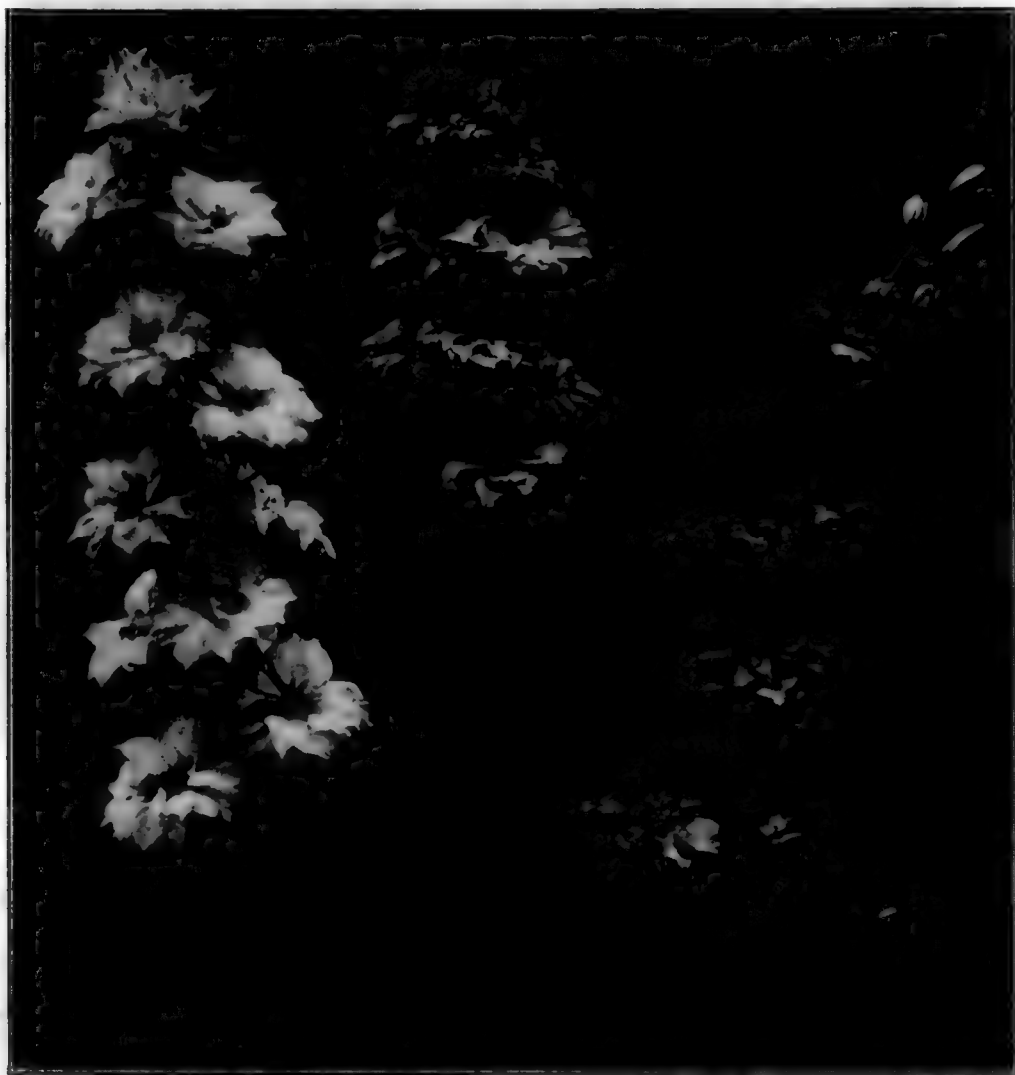
Will you please give some information regarding the use of the so-called patent cloth as a substitute for glass for hotbeds or frames. I wish to start cucumbers inside and transplant outside soon as possible, and would like to know if this cloth will fill the bill as well as glass to protect them after transplanting.

F. C. C.

Some years ago we used a cloth on a lot of sash in place of glass, not for hotbed use, but for cold frames. If I remember aright, when stretched and tacked on the frame, we gave the cloth a good coat of linseed oil, which renders it more watertight, as well as resisting the cold slightly better.

For sashes that have to be kept on all day, I consider it too opaque, not letting in the light as glass does, and which, of course, is everything to plant growth. But for frames that only need night protection, or occasionally on a rough day, this cloth can be used to great advantage. It will keep out a slight frost about as good as glass.

W. S.



Double Delphiniums.

MISCELLANEOUS SEASONABLE HINTS.

Lilium Longiflorum.

An inquiry comes from the north whether a batch of *Lilium longiflorum* can be got in flower for Easter. The writer says, "They are now just showing above the pots about an inch or so high. Will a rose house temperature bring them in for Easter?" No; most decidedly no; it would be useless to try. Lilies for Easter should be a foot to 18 inches high (although height is no great criterion), and be swelling out, or even the buds be visible, by this time. If your longiflorum are as late as described, it would pay far better to keep them in a cool house, say 40 degrees at night, and then they would or could be so managed that they would be in good order for Decoration Day, or, as it is often called, Memorial Day, May 30. I have already noticed on my own place this winter the ill effects of allowing greenfly to get in its work deep down in the heart of the plant, when the buds are very small. Repeatedly I have mentioned that a little of the Rose Leaf Extract of Tobacco diluted 50 to 1 in water and syringed into the crown of leaves will keep the aphids down where the fumes of tobacco will hardly reach them.

Echeveria Retusa.

I lately saw this pretty plant in flower and it reminded me that twenty years ago it was one of our standard pot plants for selling in the fall and early winter, and it is better worthy a place in our greenhouses than many plants that have displaced it. It grows from one foot to 18 inches high, sends up numerous flower spikes, and being a fleshy, succulent plant, does finely in a room under the most unfavorable circumstances. It can be propagated in any quantity from seed or from the leaves, which should be pulled, not cut, from the stem, and put into flats of sand and kept rather dry, or from leading shoots, which make fine plants the first summer.

If you have any old plants, cut the leading shoots squarely off a few inches above the pot and keep on the dry side and several small breaks will start from the edge of the stems when it has been cut, which make fine cuttings. Plant them out of doors during summer in a light soil and lift before hard frost. A 5-inch pot should accommodate the largest plant from one summer's growth. We found last fall that after the chrysanthemums were

gone there was a dearth of pot plants in any variety. The *Echeveria retusa* is one to fill the gap, and for those who have to supply conservatories at so much per month, it is a most useful plant, for it will last in good appearance for months.

Strobilanthes Ensisifolia.

This is another plant that is just at its best and adds great variety to a collection of flowering plants for reason of its color (blue). It requires rather a high temperature, but that is no drawback, for most of our patrons keep their living rooms or small conservatories much warmer than the greenhouse man does any of his houses. It is easily propagated from cuttings now or a month later. They can be planted out and occasionally pinched till lifting time, but no frost must touch it; or it can be grown in a pot and shifted when needed.

Ericas.

A subscriber asks, "What temperature and how many weeks does it take to get *Erica* fragrans into flower for Christmas?" and also the same inquiry about *E. persoluta alba* for Easter. I am sorry I don't know the species called fragrans, if there is one. *Persoluta*, of which alba is a variety, flowers naturally in April, so it would be about right for our ordinary Easter; but if not in time for our early Easter of this year, you can at once place it in a little more heat. The hard wooded, mostly Cape heaths, the most beautiful of this large genus, would be killed by anything like forcing, but the soft wooded, such as *Persoluta*, autumnalis, gracilis, Willmoreana, melanthera, hyemalis, etc., will bear a little forcing, but nothing like the treatment we give to deciduous shrubs, lilac for instance.

Ericas, the soft wooded section, are largely grown in the large eastern cities, and immense quantities are sold as pot plants during winter and spring; but they are not generally grown throughout the country as they should be for the reason, I think, that the great army of florists know little about them or have an idea that they are very difficult to manage; climate does not suit, etc. When Peter Henderson more than thirty years ago wrote that ericas should be planted out in the summer and lifted in the fall, there were many good gardeners skeptical of that method, but he was right, and that is just how to do it.

Just now or for the next month or so is a good time to begin with the cuttings of any of those species or varieties mentioned above, or any of the so-called soft wooded section. The cuttings should be made from the young growth, of which there is plenty to be had just now, but it should not be soft and brittle as you would want a verbena cutting to be. It should be what we call half ripened. Make the cuttings quite short and put them in flats of clean sand, and after the first thorough watering, water only often enough to prevent the sand from getting dust dry; the cuttings want no bottom heat. If you have a case inclosed with a sash over it, to prevent much change of temperature or draught of air, they will strike all the better; and a house that is kept at 55 to 60 degrees will suit the cuttings. In 9 to 12 weeks they will show signs of growing, and if found to be rooted, pot off singly in 2-inch pots. A cold frame with a shade during the hottest hours is the place for them during summer, and the following winter keep them in a cool house till danger of a frost is past, when they should be planted out. The young plants should of course have been stopped once soon after they started to grow in the 2-inch pots, so they will be in good condition when planted out the following spring to make bushy plants.

The erica is one of those plants that it was once thought almost impossible to grow without peat, but that we don't have, and they grow very well planted out in a good light loam, such as the Long Island men grow their carnations in. When lifting and potting use a third or fourth of well rotted leaves, and pot firmly. *Ericas* do not like a wet, sodden soil, but extreme dryness in the pots will ruin them.

Violets.

Remember, there is always a call for a moderate sized, inexpensive plant at Easter. Sometimes baby has a plant sent her, and a pot of violets. If well flowered is very acceptable. The proper way to have a good pot of violets would have been to lift some from the field in the fall, pot them, and keep in a cold frame away from very hard freezing till about this date, when, if given a temperature of 45 degrees, they would by Easter be in fine flower; but if that was not done, then lift a hundred or so of the most compact plants from the bed at once, keep cool till within two weeks of Easter, when a night temperature of 55 degrees will bring out most of the buds.

Deutzia Gracilis.

Last year we found a lot of neat little plants of this shrub an excellent thing to have for Easter, but we were just about one week too late with it. It pays to cut, if not sold in the pots. It is a little early yet, but allow a good six weeks to bring it into flower; that is none too much; it will last a week if a little early.

WILLIAM SCOTT.



Covered Wall in Conservatory of Mr. Samuel J. Tilden, Yonkers, N. Y.
[Conservatory erected by Lord & Burnham Co.]

COVERING GREENHOUSE WALLS.

Lack of space in the greenhouse attached to his city store often prevents the retail florist from making the display of tasteful arrangement that he otherwise might, and in addition to this the location of such greenhouses is frequently unfavorable for plant growth, owing to the proximity of tall buildings that may shut out the light and air to a great extent.

But we sometimes find in these cramped greenhouses a side wall that is bare and unsightly and the accompanying illustration may furnish us with a useful idea for the adornment of such a wall. The view referred to, which shows a portion of the palm house at "Greystone," the country home of Samuel J. Tilden, at Yonkers, N. Y., illustrates the hiding of a side wall with a most beautiful curtain of living plants, chiefly ferns, the base of the wall being built out to the edge of the path with a mound or bank of artistically arranged foliage plants.

And just here it may be admitted, to avoid argument, that few retail florists are blessed with the same abundant means to gratify an esthetic taste that

appertains to the fortunate owner of "Greystone," but nevertheless this decorative idea may be modified to suit the circumstances. To return to the wall. This is, of course, covered with a strong wire netting that is held away from the wall a few inches by means of screw eyes, the space between the netting and the wall being filled in with rather coarse soil, and prevented from washing out by a facing of moss.

In this soil the plants are set, this operation being preferably done during early summer, in order that the plants may become well established before the short days begin, and also before the rush of trade about chrysanthemum time keeps the greenhouse door open half the day. After the plants take hold of the soil, quite a good deal of water will be required, especially at the upper part of the wall, the water naturally draining away from that portion very rapidly.

By referring to the picture we readily recognize that several pteris are well adapted for this work, notably *P. argyrea*, *P. serrulata* and *P. longifolia*; also *Polypodium glaucum*, *Microlepia hirta* and *M. strigosa*, and *neph-*

rolepis in variety, one of the best of the latter being *N. pectinata*. On the bank at the base we can use *Adiantum cuneatum* or *A. capillus-veneris*, some of the selaginellas, *S. Martensi*, *S. Brauni* and *S. Kraussiana* being first class, also *Rex begonias*, *peperomias*, *tradescantia* and *Panicum variegatum*. Some of the *davallias* may also be included among the fern portion of the arrangement, though avoiding those of deciduous habit, of which *D. Mariesi* is a type, the latter being one that is largely trained into fantastic shapes by our Japanese friends.

The question of expense may arise, and in regard to this it may be said that none of the plants mentioned are costly species, while there is also a possible offset to the original investment in the fact that such a bank of foliage will often furnish some useful greenery to be mingled with cut flowers.

H.

THE IMPERIAL VIOLET.

Mr. W. L. Minor, Brockton, Mass., has sent us a bunch of a hundred blooms of this new violet, and the flowers certainly were superb. They

averaged 1½ inches across, with stems 6 to 8 inches long, color fully as dark as Marie Louise, even after the thousand mile ride, and form all that could be wished.

The dozen or more Chicago florists who saw them all agreed that they had never before seen anything to equal these violets. They were frosted when received, but half an hour in cold water brought them up smiling. The "Imperial" is certainly well named.

Mr. Minor also sends us a pamphlet on violet culture. And a glimpse of

the superb violets he grows warrants a lively interest in his methods of culture. His pamphlet is copyrighted, but we think there can be no objection to stating that a leading feature of his culture is the sterilizing of the soil, which is accomplished by heating the soil in the beds to 212 degrees by means of steam carried into it. This destroys all insect life and fungous germs as well as seeds of weeds. The pamphlet will be read with interest by all growers of violets.

white one, is grown to a considerable extent around Boston, as is also Freedom, a grand white for home trade purposes.

The Lawson is a seedling of Van Leeuwen and Daybreak, the latter being the seed parent, and it first attracted attention during the season of 1896 and 1897, and by its immense size and keeping qualities came to the personal notice of Mr. Thos. F. Galvin, Boston's noted retailer, who at once made overtures to the originator, with the result that in February, 1898, he became part owner of the flowers and stock, and has made such good use of his ownership that the whole thing has realized a good, round sum.

The carnation will still be grown by Mr. Fisher, and the flowers handled by Mr. Galvin, both being authorized agents of Mr. Lawson, P.



RUST.

The specimens sent show rust in luxuriant growth, and when advanced to such a state there will be trouble to keep it even in check. I answered the same question a short time ago, and F. R. H. S. will find in No. 54, December 8, 1898, of the Florists' Review my views about rust, how I look at it, and how my experience has taught me to treat this disease. At no time or place has the proverb, "a stitch in time saves nine," a more fitting bearing than in this rust question. When noticed in time and attended to at once, much can be done to eradicate it, or at least to keep it in check, so there will be no serious injury to the plants, thus retarding and diminishing their blooming quality. That F. R. H. S. finds rust to such a large extent on his Daybreak and none on his Scott growing next to it, only shows the greater susceptibility of one variety to this disease, and is nothing new.

As often as rust has been discussed, and the spread it has assumed, and how it has been feared and looked upon as the destroyer of carnation culture, one would come to the conclusion that every grower by this time would be familiar with this disease, but still we find localities where it has not yet appeared, and the growers are in blessed ignorance of this disease, considered in former years as a dreadful destroyer. I remember our late friend, Myron A. Hunt, coming from a tour through the East, making the remark that rust will kill carnation culture in this country. How many have entertained the same idea, and how do we look at it now? I entertained the same view and was very careful to keep this disease from our place, avoiding any contact that might become the source of a spread, and when, about three years ago, through some source or other, rust appeared, it only served to draw us from a partial seclusion and increased our business more than double.

Now, while it has proved a blessing in disguise to us, I still think it a greater blessing to be exempt from it, and I do not wish to lull anybody into security and carelessness. Watchfulness may avoid much care and extra work. This should especially be exercised in the growing of new varieties. A new variety is not born with the rust, although it may prove very susceptible to it, but there is no excuse in sending out a new variety diseased with rust, as has been the case with some the past and other seasons, for with some care it certainly can be kept clean. Of all the carnation diseases, rust is the least injurious when held in check, and to my experience this can be done. At the same time, none has been more feared and received so much attention and discussion through the trade papers and otherwise.

FRED DORNER.

THE LAWSON CARNATION.

During the last two weeks there has been quite a collection of contradictory statements made regarding this carnation, in both the trade papers and the leading dailies of this and other cities, but now the story can be told which is in all probability the true version of the whole transaction.

The pink in question is now the sole property of the gentleman after whose estimable wife it was named, and it is claimed that the actual price, as published, \$30,000, had been paid over to the originator, and to the enterprising retailer through whose efforts the transaction was made possible.

The Mrs. Thos. W. Lawson carnation is of a bright cerise color, of very pleasing shade, and the flower is of very large size, with a fine, stout stem. It is a favorite among the bon-ton of Boston, owing to the vividness of its color under artificial light, and the demand has for the last few weeks far exceeded the supply.

Mr. Peter Fisher, the originator, is an enthusiastic carnationist, and has already sent out some good carnations, one of which, Edith Foster, a

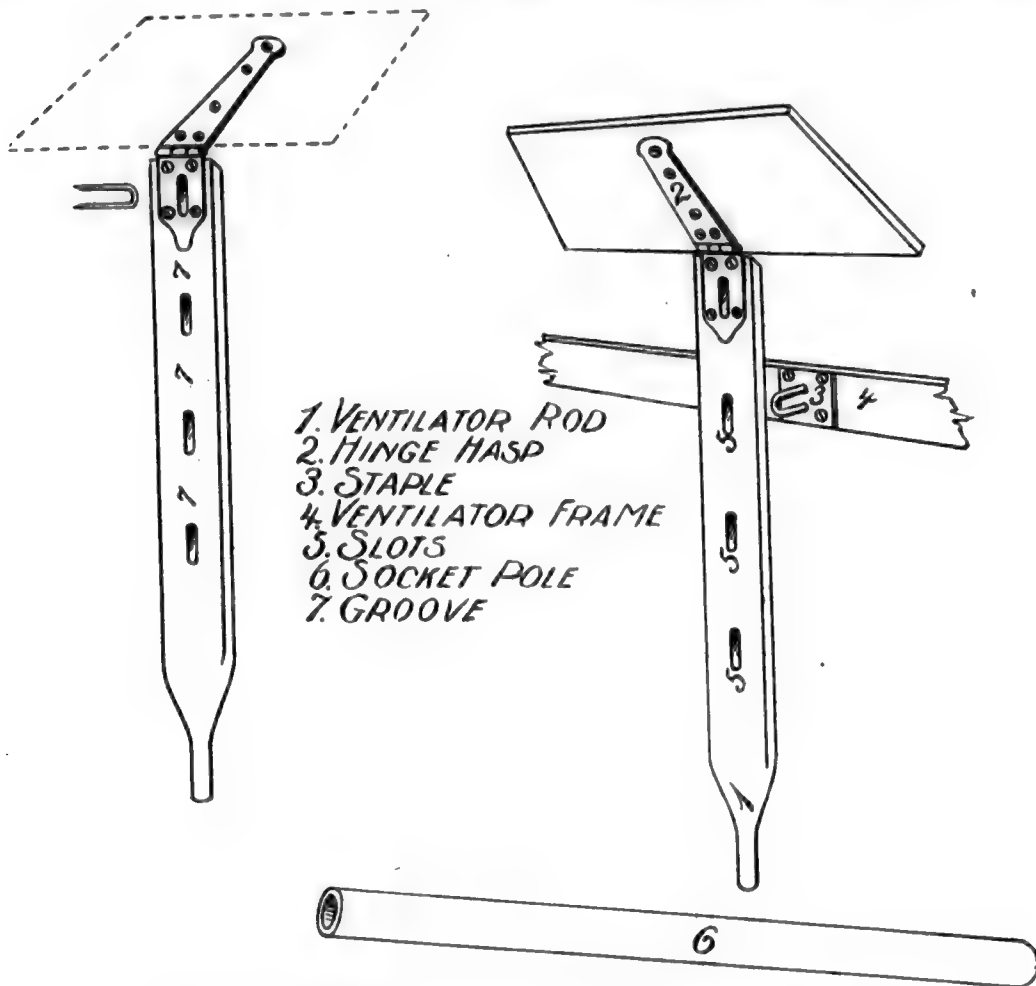
TRADE AND TRADE INTERESTS.

From the Commission Man's Standpoint.

This has been an odd season as regards violets. In the early fall, when a few bunches put in their appearance, the trade would look at them and exclaim, "Oh, violets," but would not buy them. They might add, "It is too early for violets," but they passed them. A few weeks later, when the single violets got a fair color, every florist wanted them and seemed to want them bad, but as quick as the price went over 75 cents a hundred they passed them by. In the month of November the Jewish Charity Fair made a special demand for violets and neither price nor quality cut any figure, the florists simply had to have them, and the grower was much elated.

Then came the first frost, and when the weather turns cold violets stop selling and down goes the price. The next day that is warm enough to allow ladies to wear violets on the street the price recovers, and the florist who has seen violets offered in quantity at low figures only a few days before is so surprised that he is ready to accuse the dealer of wanting to rob him.

Now the grower says, "Hold violets for Christmas," and even if the dealer wires for stock he will not ship, for he will reply, "I can get more next week for Christmas." To the commission man's inquiry as to how many the grower will be able to cut for Christmas, the reply will be so vague and indefinite as to be of no practical value. The dealer gets what information he can through other channels, such as people who have visited the various places on other business, studying the reports in the trade papers, etc., and on this bases his Christmas price. This season every one thought we were going to have a glut of everything and a \$2 price was made on violets for all orders placed up to and including December 23. Then came the surprise—everything turned scarce, with violets among the scarcest; the grower made his kick, and in some cases stopped shipping. If it had



No. 31. Ventilator Rod and Fastener.

[The slots in the rod at the left should be connected by a shallow channel.]

turned out as every one anticipated and the sales at \$2 had brought up the average, all would have been O. K.

At New Year's, violets having been cut out so close there was but a limited supply, and though but a few were wanted, prices were maintained fairly well. But the buyer was quick to call attention to the quality. Soon large receipts of poor grade violets (that seemed to be good stock only a few days back) caused the first drop, then came a cold snap (and, as mentioned above, cold weather cuts off demand), and double receipts next day, which caused another slump.

This season has so far varied from previous years in that while such gluts have been looked for in the past, they have rarely lasted more than a day or two at a time, and a stiff reaction has always followed, while this has not been the case this year, for where 75 cents to \$1 a hundred has been top price on superior grades of fine dark color, with long stems and well bunched, such flowers as Lady Campbell, the singles and all poor grades and poorly bunched violets haven't seemed to find any bottom figure. Prices have ranged from \$2.50 to \$4 a thousand, and the commission man has considered himself in luck if he got the \$4 end of it, or near it.

Still, we think the producer has had on the whole a better season than in many years past, for all kinds of flowers seem to sell, carnations, roses and bulb stock doing much better than usual. Light colors seem to have had

the advantage as regards prices. Beauties, Meteors and all red flowers seem to beg for a market, except when of very superior grade. But that is no news—good stock always sells, and at a good price. CHARLIE'S AUNT.
Chicago.

OUR PRIZE COMPETITION.

Following are additional entries in our prize competition in labor-saving devices or methods useful to florists:

No. 31. There are still florists whose places are so small, or whose finances are so contracted that they feel they cannot afford the manufactured ventilating apparatus. Such will find the ventilator rod illustrated cheap, safe and effectual, especially for fastening the ventilators.

The rod is made of a strip of wood two inches wide and three-eighths of an inch thick when dressed. To one end the slot end of a common hinge hasp is attached by either rivets or screws. The strap end of the hinge is screwed to the ventilator as shown in the cut. Slots are cut in the strip or rod according to the requirements of the ventilator and a staple fastened to or driven into the ventilator frame to fit the slots. A slight groove or channel on the underside of the rod connecting the slots is necessary as a guide or track for the staple to run in when raising or lowering the ventilator. Curved rods or strips such as may be made from barrel or hogshead

staves usually fit better than straight ones.

If the ventilators are hard to reach and long rods would be inconvenient, short ones may be easily worked by means of a pole with a socket on the end to receive the pointed end of the rod. These rods can also be made of iron and of much smaller dimensions, being particular to have the groove on the under side connecting the slots. T or strap hinges can also be used instead of the hasp, but of course the slot will have to be made and the staple fitted.

This simple fastening can be made and put up by any handy man, such as a florist always is. R.

ORCHIDS—SOME CURIOUS CROSSES.

In company with the solid and sensible W. J. Palmer, Sr., we visited one day last week the domain of Prof. Cowell, South Park, and our Botanic Garden. The stately range of glass that is going up will some day be a great attraction to that distant part of our city; and it is going up perhaps slowly, but most substantially. I like its appearance better than any other range of glass that I have had the good fortune to see. It is stone, brick, iron, cement and glass. Wood is only used for the sash bars, and we all know that a well seasoned cypress bar will outlast many generations of our race. When it is finished will be time enough for a full description of the architecture and its many admirable qualities of plan, construction, and grand appearance.

There is just now a very large and beautiful display of orchids in bloom, which no florist of this locality should miss seeing. It is a veritable blaze of these floral gems. The largest quantity is *Cattleya Trianae* and *Laelia anceps*. The latter are splendidly flowered, some of them as large as cattleyas and a great variation of color, some of the palest pink and a few rich, rosy crimson. Then there are fine clumps of *Odontoglossum Rossii*, a modest gem; some splendid spikes of *Phalaenopsis Schilleriana*, *Coelogyne cristata*, old *Phalys grandifolius*, and a few others of less commercial value. Whoever could see these fine laelias and cattleyas hanging in a light house and occupying no bench room, flowering like a geranium, would hardly say there was no money in them.

A young batch of seedling cypripediums showing their tiny leaves above some fresh sphagnum is very interesting, but what is to us still more interesting are the several crosses that have been attempted and effected at this young establishment. The seed pods are their evidence of the success attained, the fruit of the cattleyas reminding you of a fair sized green plum with a few wrinkles. Here are some of the crosses from which some seed will be certain to be procured:

Coelogyne cristata x *Cattleya Percivallianum*, both ways.

Coelogyne cristata x *Oncidium tigrinum*, both ways.

Cattleya citrina x *Cattleya Trianae*. And there are other crosses of which I failed to make note. It may take seven or eight years for the offspring of these crosses to flower, but surely they will be watched with great interest, for strange hybrids must come from two such distinct genera as *Oncidium* and *Coelogyne*. All the orchids look flourishing and at home, and they are under the enthusiastic care of the veteran, Mr. Thomas Fitzgerald.

Another very interesting collection is some 1,200 young seedling *draecenas*. They are yet too small to show distinct character, but there will be a great variety it is already evident. *D. nova Caledonica* is the pollen parent of all and it is crossed on *splendens*, *Bella*, *Cowellii* and a few other of the best varieties. From this collection there is bound to be many a variety of great merit. The houses are looking fine and either to the commercial florist or the botanical student are highly interesting. WM. SCOTT.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

520-535 Caxton Building, Chicago.

334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/2 page, \$13.50; full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.

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BUFFALO.

Trade Review.

Some spells of very fine weather, changing suddenly to bitter winter, is the order of things, and what a difference it makes to business. On fine, warm days we find violets go well, but when your front windows are frescoed with frost, they waste their sweetness on the store clerks. The tulips and daffies that are seen, although in some cases fairly good, are not up to former years, and we believe, as this is the experience with all the growers, that the quality of the bulbs was much inferior to other years.

The Thrall Company store, on Main street, depend largely on orchids and valley for their window decoration, and very neat and chaste it is.

Jerry Brookens, of Orchard Park, our old reliable fern man, is bringing in a very fine grade of carnations. His Daybreak are about up to Lancaster (N. Y.) form.

I have before now noticed that scarlet carnations are the scarcest this year, and if it were not for Webb's new scarlet Dorothy Sweet, we would be much worse off. I think it is safe

to say that since the middle of December there has been a steady demand for the few orchids that are offered here. There is no such thing as any going to waste. Their beauty is better appreciated than formerly, and with the knowledge of their long lasting qualities, a fairly moderate price compared with other flowers in winter, I look for a steady increase in the demand. Flowers of all kinds keep well cleaned up and you cannot say anything better for business than that.

Club Affairs.

There was a meeting of the club and P. "Longlegs" Scott was made a committee of one to get the bowlers together on some alley this week. There is likely to be two divisions, not because we do not all affiliate, but the older members would like to bowl once a week in the afternoon and the younger men can best get away after work hours. We have over 300 alleys in this bowled-up town and yet the florists as bowlers are getting to be a ragged lot. We sincerely trust that P. L. S. will attend to the duty which he accepted.

The most important business of the club was the endorsement of the Pan-American Exposition, which is to take place in 1901. Many a time we trust your correspondent will have occasion to speak of this great undertaking, and for the present I will be brief. The lovely city at the western end of Lake Erie is also clamorous to the National Government for recognition to help along their proposed big fair of 1901. It appears that 200 years ago, about 1701, a white man partook of the hospitality of the red man near the city of the straits and called it the founding of the city of Detroit, and the laudable people think it a just cause and opportune time to hold a sort of small World's Fair. Our Pan-American was spoken of two years ago, but the breaking out of the war was good cause for its temporary abandonment. Now it has revived, with fervor unequalled, and there are the most conservative reasons to believe that in or very near to our city line in 1901 Buffalo will hold the Pan-American Exposition, which will be little short, either in attractions, exhibits or attendance, of Chicago's World's Fair. In six days our citizens subscribed one million dollars, and by the time your readers see these large figures there will be \$2,500,000 pledged to support this worthy enterprise.

Mr. McKinley stuck a flag into the proposed site in August, 1897, and although the site is likely to be nearer the city than that first chosen, yet our "great father" in Washington is bound to help us. But you will be tired of so much prospective, yet you would not blame me if you knew how for the past week we lived and breathed in the enthusiasm which already emanates from the Pan-American. So in 1901 all roads will not lead to Rome, but from the Straits of Magellan and the most northern settlers in Canada, and all intervening republics and isl-

ands of the western hemisphere, all roads will lead to Buffalo.

Visitors.

We have had our snare of visitors. Among them Mr. Elliott, the seedsman of New York; both paper box men, Mr. Boas and Mr. Beatus, and Mr. McCarthy Greenlaw, of Boston.

W. S.

CHICAGO.

The Market.

White flowers still lead in demand, and in fact there is a shortage of everything except violets and colored bulb stuff. In roses Brides are especially scarce and the only items of which there is enough are Meteors, and the poorer grades of Beauties.

Violets have suffered badly during the cold snap, there being but little if any sale for them. Large lots of violets were left over last week on account of the cold weather. Sales drop off sharply when it becomes too cold for the ladies to wear violets on the street.

Harrisii lilies are very scarce. The crops didn't come on well and the heavy call for white flowers made the demand brisk.

Kennicott Bros. & Co. are beginning to receive the cut of the Novelty tulip and will handle an unusually large quantity this season.

Bassett & Washburn report their January business as fully double that of January last year. During the cold snap they burned about 75 tons of coal a day.

Various Items.

McKellar & Winterson succeed the firm of Vaughan, McKellar & Winterson, the two first named having purchased the interest of Mr. A. L. Vaughan, who retires. McKellar & Winterson assume all the assets and liabilities of the old firm and the business will be continued without any interruption.

The wholesalers at 88 Wabash avenue will all have to move by May 1, as the building is to be remodeled. Kennicott Bros. Co. have taken a three years' lease of the large basement at 42 and 44 Randolph street, where they will have several times as much room as at present and an ideal place for the keeping and handling of cut flowers. Bassett & Washburn and A. G. Prince & Co. have not yet selected new locations.

Three cold waves in succession, and with the thermometer ranging down to 18 degrees below zero at times, have made sad inroads into the coal piles of the growers, and a number of accidents are reported. We hear that Hills & Jakobsen, at Maywood, lost two houses of mignonette and one of Argyle carnations through an accident to their heating apparatus, that H. Schiller had the older part of his glass at Niles Center frozen, and that Mag-

nuson & Pearson, at Bowmanville, also lost a few houses.

Mr. W. A. Johnson will build a range of houses for violet growing at Hinsdale the coming spring. The aim will be to produce the highest grade of flowers.

H. G. Berning, of the St. Louis Cut Flower Co., St. Louis, Mo., was a recent visitor.

Reinberg Bros. are marketing a fine stock of roses and carnations.

Mr. O. P. Bassett starts on a trip through Florida this Thursday.

W. C. Lynch is acting as Chicago selling agent for the new variegated carnation Sandusky. He has also handled the flowers sent in by Mr. Hall and says they are quick sellers at good figures.

Larry Kelly, manager for S. B. Winter, says business is all right and increasing steadily.

Wietor Bros. seem to always sell out early. Good stock goes quick.

E. C. Amling is receiving some magnificent Beauties. In a recent shipment were some specimens with 7-foot stems, every leaf perfect and splendid blooms.

Bentley & Co. seem to be getting their share of the trade and are handling some good stock.

The feature of the meeting of the Florists' Club to be held to-morrow evening (3d inst.) will be a paper on bedding plants and window box plants by Mr. Joseph Reeve.

Bowling.

Following are the score and averages made at the alleys last Friday evening:

	1st.	2d.	3d.	4th.	Av.
P. J. Hauswirth.....	140	153	184	129	151
J. S. Wilson.....	130	155	146	153	146
G. Amus.....	145	113	145	173	143
E. F. Winterson.....	128	156	130	...	134
W. Kreitling.....	110	138	104	139	125
A. Lange.....	115	124	136	...	125
C. Balluff.....	154	127	108	106	123
C. W. McKellar.....	134	142	92	...	122
A. Henderson.....	138	105	114	127	121
G. L. Grant.....	113	138	108	122	120

ST. LOUIS.

The Market.

Business is picking up a little, but not so marked as it should. Prices on stock keep up better this year than ever before, and flowers of all kinds are by no means scarce. The only real glut on hand just now is in violets, and these are selling at the retailer's own price. The commission men are all well stocked with seasonable flowers; plenty of roses and carnations.

In roses the leading varieties are Brides, Meteors, Maids, Carnots and Beauties. First quality bring as high as \$8, with seconds \$3 and \$4. First class Beauties continue scarce, but a great many deformed and short-stemmed ones are in the market that bring \$3 and \$5. Perles and Woottons are selling from \$3 to \$4 per 100.

Carnations are also holding their own in price, bringing from \$2 to \$4. Reds are scarce and keep in good demand. H. Aue and the Ude's are send-

ing in some fine stock every day. The less said about violets, the better, as the dump pile gets most of them.

Bulb stock is good and sells well. Romans range from \$2 to \$4; Paper Whites, same; valley, \$4; freesia, \$4; daffodils, \$4; Harrisii have stiffened somewhat and are selling at \$15; callas \$10 and smilax \$12.50.

Plant stock among the growers about town is looking well and the Easter stock is looking at its best.

Notes.

Don't forget the next Florist Club meeting, February 9, at 3 p. m. Mr. John Young has promised to read his essay. President Sanders has some very important matters to bring before the meeting and expects a full attendance. The late flower show committee will bring in their final report. The entertainment committee will also make a report and all tickets are returnable at this meeting.

Ellison & Tesson on Friday last very tastefully decorated the big Music Hall in the Exposition Building, the occasion being the graduating of the normal class of the high school.

Charlie Kuehn's place at 1122 Pine street was visited by burglars on Thursday night last, the amount secured being a few hundred dollars. Wirework, tinfoil, supplies and tools were taken. Charlie telephoned every florist in town, asking them to be on the lookout in case they came to sell the goods. In this way he hopes to catch the thieves.

Sonnenfeld's millinery store, on Broadway, will give up their cut flower department on February 1.

Mr. C. W. Wors is now doing a general retail business in connection with his wholesale store.

Mr. Frank Ellis, of the St. Louis Cut Flower Co., and Miss Julia Murphy, of the Bell Telephone Co., give skating exhibitions at the Ice Palace every evening. Mr. Ellis is the best gentleman skater in St. Louis.

Henry Berning, president of the St. Louis Cut Flower Co., returned Tuesday morning from a trip through Illinois, visiting Chicago and other points. Mr. Berning reports business at these places about the same as in St. Louis.

Bowling.

The January series ended Monday night with Carl Beyer high for the gold medal, also for highest single score; D. Finlayson second, and Kuehn third. Next series will decide the Review prize. The averages were as follows:

	No. G.	Total.	Ave.	H.S.
C. Beyer ..	16	2703	169	226
Finlayson ..	21	3353	160	201
Kuehn ..	21	3262	155	211
Benecke ..	21	3083	146	183
Young ..	14	891	148	186
Sanders ..	14	2000	143	168
Kunz ..	16	2179	136	181
Schray ..	5	679	136	152
Weber ..	16	2243	140	190
Tesson ..	3	399	133	155
Fillmore ..	17	2131	125	184

Owing to the great blizzard last night, only a few of the bowlers were

at the alleys, and those that came rolled four games. C. A. Kuehn was again high man with an average of 160. The scores were as follows:

	1	2	3	4	To.	Av.
C. A. Kuehn.....	158	129	181	173	641	160
D. Finlayson ..	129	172	138	201	640	160
J. J. Beneke ..	143	131	182	135	591	148
J. W. Kunz ..	146	127	153	153	579	145
F. C. Weber ..	116	161	165	124	566	142

J. J. B.

PHILADELPHIA.

The Market.

The prices on carnations were much the same as last week, there being no perceptible increase in the demand or supply.

There was a slight increase in the supply of roses over last week, but no change in the price, with the exception of good Beauties, which are still very scarce. The few that were to be had were snapped up very quickly.

There was a slight improvement in the supply of bulbous stock in general, with no change in prices.

Various Items.

Mr. H. C. Sims, representing the H. A. Dreer Co., has just returned from a trip to California.

Hugh Graham did the decorating for the annual charity ball given in the Academy of Music.

Mr. Ed. Seidewitz, of Baltimore, was in town last week.

Mr. John Scott, proprietor of the Keap Street Greenhouses in Brooklyn, N. Y., was also a recent visitor. We have information that he was in the market for \$300 to \$400 worth of azaleas, principally in larger sizes. The probabilities are that he succeeded in finding them, for when last seen he was on his way to Riverton.

We are informed that Albert Woltemate has a block of Phlox divaricata canadensis which he intends forcing for Easter to sell as a pot plant. It is one of our rare native varieties. The color of the flower is a bright lilac, produced in large, showy heads borne on stems 8 to 10 inches high. It is also very fragrant.

The show windows of Jos. Kift & Son were very attractively decorated the past week.

R.

BOSTON.

The Market.

The past week has been, with perhaps the exception of one day, a good business week. The retailers are getting rid of a large quantity of flowers, and the wholesale trade seem to be busy making shipments and attending to local trade. The result is that the grower is right in it, and is well satisfied with himself and the buying public.

Roses still continue scarce, especially white ones, and both Brides and Maids are good property at from \$6 to \$16 per 100, with a few of extra quality bringing \$2.50 per dozen. Meteors run from 75 cents to \$1.25 per dozen.

Beauties are of excellent quality, \$1 to \$8 per dozen being the range of prices for the week.

There has been a good demand for high grade carnations all the week, with a slight diminution on Saturday. Eldorado, Hill and Daybreak will bring \$3; Bradt, \$6; Scott and average grade, \$2 per 100, with sales of inferior quality at a lower price. Violets from 50 to 75 cents per 100, and lilies and bulb goods the same as last week.

The News.

It looks now as though the facts about the Lawson pink were settled, and I guess it is well advertised from the Pacific to the Atlantic oceans.

In the Horticultural Hall on Saturday James Comley and Mrs. E. M. Gill showed collections of seasonable flowers. J. E. Rothwell exhibited a rare cypripedium, a cross of Bellatulum and Curtisii, and named Chapmanii Var Anbellum, claimed to be the first one to flower in this country. C. G. Roebling had two variations of Cattleya Trianae, one a pure white, the other with a purplish throat, named Helen Roebling.

According to present indications, quite a crowd of our carnation enthusiasts will accompany our popular president, Mr. Nicholson, of the Carnation Society, to Philadelphia next month.

Wax Bros. are placarding some of the large pink varieties of carnations. "The Lawton" attracted the attention of the public to a parody on the famous Lawson carnation, changing the name very slightly.

Tailby, of Wellesley, is attracting considerable notice with an excellent variety of mignonette, very large, long stems, and of a good red color, a variety of his own origination. P.

GRAND RAPIDS.

The Market.

Business remains good, the weather continues a blizzard, the thermometer being as low as 20 degrees below in broad daylight, and it is weather such as makes the coal men happy.

Carnations are very scarce, roses none too plentiful, and smilax fast disappearing. The boys are beginning to bench over the old smilax beds for spring stock as soon as cut.

Notes.

The florists' banquet was reported a success in spite of the number detained home on account of sickness. There was an attendance of fifty. J. A. Creelman introduced our well known president, N. B. Stover, who made a very pleasant address. Music and recitations added to the charm of the feast. The next meeting will be held February 7 at the Eagle hotel, and while the subject is violets, the agent representing Belgium glass manufacturer will address the club on the subject of glass, explaining its



REGULAR SHIPPING ORDERS RECEIVE SPECIAL ATTENTION.

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51 Wabash Avenue, Chicago.

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WHOLESALE GROWERS OF Cut Flowers

We Are Headquarters for...

AMERICAN BEAUTIES,

of which we cut from 2,000 to 3,000 daily. Our Brides, Meteors, Maids and Perles were never better.

OF CARNATIONS

we grow 50,000 plants of all the leading varieties, and they cannot be surpassed.

Am. Beauty, extra long stem, per doz.	\$5.00
" 24-in. stem	3.50
" 20-in. "	2.50
" 15-in. "	2.00
" 12-in. "	1.25
" 8-in. "	1.00
Meteor per 100,	\$6.00 to 8.00
Bridesmaid.....	6.00 to 8.00
Bride	7.00 to 10.00
Perle	5.00 to 6.00
Carnations	1.50 to 2.00
" tancy	3.00

All other stock at lowest market prices. No charge for packing.

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Wholesale Growers TREES and PLANTS in Full Assortment.TRADE CATALOGUE FREE.

Mention The Review when you write.

quality, tariff, rates, and probable cost.

George F. Crabb and Eli Cross are well and once more attending to business. GEO. F. CRABB.

WASHINGTON.

Prices for cut flowers have kept up higher for this season than ever before. Weather has been fine and demand great, in fact almost Christmas prices right along for good stock. Brides, Meteors, and Maids bring \$10 to \$12.50, while Testout and Gates are held at \$6 to \$10.

Carnations are from \$2 to \$4, and cleaned up every day, although supply is large, but in spite of that there is a shortage every day. Romans and tulips go at \$3; lilies, \$12.50; smilax, \$15 to \$20. Violets are plentiful and fine; top price 50 cents per 100.

There is a great scarcity of small sized ferns for center pieces, most every grower having completely sold out. Azaleas are coming in fine and go well; the best selling sizes are from \$1 to \$2.

The American Rose Co. are now cutting fine violets and plenty of them.

The greenhouses of Phillips & Co. are advertised for sale.

Mr. M. Rice, Philadelphia, was a visitor this week.

F. H. KRAMER.

HEATING.

Kroeschell Bros. Co., Chicago, send us a copy of their new catalogue giving full details about their greenhouse boiler. The large number of letters from satisfied customers certainly speak well for the careful work they do and the staying qualities of their boiler.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

FOR SALE—Steam Pump for sale at a bargain. One of the best ever used. Knowles manufacture, almost new; pumps hot and cold water. Brass fittings and cylinders, all complete for \$30.00, cost \$75.00, F. O. B. Cash with order. Address Waverly Greenhouses, Tuckahoe, New York.

WANTED—By an up-to-date florist and decorator, situation in a first class store in large city, can furnish the best of references. Address Artist, care of Florists' Review.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

FOR RENT OR SALE—First class retail stand, 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

SITUATION WANTED—By a practical florist; single; 10 years' experience in roses, carnations, miscellaneous stock, etc.; good knowledge of floral work; strictly sober; east of Ohio preferred. State wages. Address E., care of Florists' Review.

PUBLIC SALE—Of Real Estate, Greenhouses and well established Florist's business. This day, Feb. 9th, 1899, I will sell out my entire greenhouse plant, including dwelling. Sale to commence at two o'clock P. M. W. R. Shelmire, Avondale, Chester Co., Pa.

A Bargain! A good chance for the right man.

FLORAL STORE on one of our side business streets for sale at a bargain. Don't write unless you mean business. WM. F. KASTING,

495 Washington St. BUFFALO, N. Y.

Seasonable Seeds, Etc.

Clematis Paniculata, 75c per ounce. Ampelopsis Veitchii, Wistaria Magnifica (Blue), Hibiscus Crimson Eye, best named Dwarf Cannas, each 25c per ounce. 25,000 best French Bedding Cannas Roots, \$2 per 100. Double New Life Geranium, 2½-inch, 75c per doz. Weeping Lantana, 2½-in., 50c per doz. BENJ. CONNELL,

Florist. West Grove, Pa.

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Handler of

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CUT FLOWERS**

When you want quick action and the best the market affords at living prices send your order to us.

When you want quick sales and quick returns at living figures consign your cut to us.

We can supply anything to be had in the Chicago market, including all **FLORISTS' SUPPLIES.**

We can give satisfactory returns to a few more consignors of good stock.

Mention The Review when you write.

ESTABLISHED 1802

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SEEDS**

NOW READY:

SPECIAL PRICE LIST OF
CHOICE FLOWER SEEDS
FOR FLORISTS

FREE ON APPLICATION.

J.M.THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Mention The Review when you write.

Pteris Tremula Ferns, 3-inch 5 cts.
Ampelopsis Veitchii, 2½-in., vines 2 ft., 4 cts.
Hydrangea Otaksa, ready for 4-inch ... 5 cts.
" " large 12 cts.
Rex Begonias, 3-inch 5 cts.
Rooted Cuttings of Carnations, Verbenas,
Coleus, Vincas, etc., cheap.

McCREA & COLE, - Battle Creek, Mich.
Mention The Review when you write.

The Right Cypress for Greenhouse Material.

Have you heard of Cypress Greenhouse Material that has not been satisfactory? If you have it does not follow that Cypress is not the best lumber to use. There is White Cypress, Yellow Cypress and Red Cypress; there is Cypress that grows on the high lands and Cypress that grows in the swamps.

All of these different kinds are not suitable for greenhouse purposes. Do you know which kind is best and do you know that kind when you see it? If not you would better buy from those that do know and will deliver exactly what they sell. We introduced Cypress for greenhouse construction and pushed it to the front. We know all about it. For fifteen years we have made a specialty of furnishing it, and during this time we have built up a reputation that we can not afford to jeopardize. We send out the best only.

Write for Circulars
or Estimates.

Lockland Lumber Co.

LOCKLAND, OHIO.

Mention The Review when you write.

ORCHIDS....

CATTLEYA FLOWERS of finest quality always on hand. Orders from unknown parties must be accompanied by cash. Orders taken now for **Cattleya Labiata Plants**, spring delivery.

Lager & Hurrell, Growers and Importers.... **Summit, N. J.**
Mention The Review when you write.

Asparagus Plumosus Nanus. Per 100.

1000 Asparagus Plumosus Nanus, 4-in. pots,	\$15.00
1000 " " " 5 " "	18.00
200 " " " 7 " "	25.00
300 " " " 8 " "	35.00

Write for prices on Carnation Cuttings.

W. F. KASTING,

495 Washington St. **BUFFALO, N. Y.**

Mention The Review when you write.

Mention The Florists' Review when writing advertisers.

THE NEW FANCY CARNATION....



One-Half Natural Size.



SANDUSKY

I have been selling the flowers of this fine new Variegated Carnation and have found it one of the best selling Carnations I ever had; in fact it sells itself. My customers say **it's a dandy**, and something they have been looking for. Among the Chicago retailers to whom I have sold blooms of Sandusky are H. F. Halle, Klunder Floral Co., F. C. Mendonza, Central Floral Co., Jno. Mangel, A. McAdams. They all say it is a fine seller, and come back for more. Mr. Hall has asked me to act as his Chicago agent for the sale of rooted cuttings of this novelty, which I gladly do as I can heartily recommend the variety to any one desiring a good fancy carnation. **It's a peach.**

Rooted Cuttings \$2.00 per dozen, \$10.00 per hundred, \$75.00 per thousand.

W. E. LYNCH, ...19-21... RANDOLPH ST. CHICAGO.

Mention The Review when you write.

SOCIETY OF AMERICAN FLORISTS.

Department of Plant Registration.

F. W. Fletcher, Auburndale, Mass., registers new single violet Columbia. A seedling of 1896 from Wilsiana, probably crossed with California. Flowers large, pansy shaped, fragrant; petals thick; color of Princess de Galles; stems medium length, thick and holding flowers erect; leaves round, medium size and leathery. Habit of plant similar to Wilsiana, but, unlike that variety, propagates easily from runners. A continuous bloomer.

John N. May, Summit, N. J., registers new carnation Olympia; clear white, with scarlet stripings; the largest carnation known.

Rose Maid of Honor, registered by Hoffmeister Floral Co., Cincinnati, O., is a sport from Catharine Mermet and not from Bridesmaid, as stated in last week's communication.

WM. J. STEWART, Sec'y.

CLEVELAND.

Business remains about the same. The only change is in the weather. Stock is still very scarce; prices about as last quoted. Bulbous stuff is coming in more freely.

The check swindler has been at work again. Brother Beaumont was the victim this time. Who's next?

James Eastwell, who attended the funeral of his grandmother at Detroit, Mich., caught cold, and is now confined to the house with grip.

Messrs. Henry Heepe and E. J. Bolanz, Akron, O., were visitors this week; also Mr. and Mrs. A. S. Talcott, of Garrettsville, O. O. A. C. O.

A PAMPHLET containing a compilation of Federal, State and Canadian legislation regulating the growth, sale and transportation of nursery stock, has been issued by the National Nurseryman Publishing Co., Rochester, N. Y.

FIRST QUALITY. LOW PRICES.

Tuberous Begonia Bulbs

Single Red, White, Rose, and Yellow,
Per doz. 40 cts., hundred \$2.50, thousand \$23.

Double Red, White, Rose, and Yellow,
Per dozen \$1.00, hundred \$5.00.

Gloxinia Bulbs, mixed colors

Per dozen 65 cts., hundred \$4.00

Buy from the introducers, the Improved Strain of

Vick's Branching Aster, white

The best late variety. Per ounce \$1.00.

Queen of the Earlies or Early Market, the earliest of all asters. White or mixed colors 75c. per oz.

JAMES VICKS SONS,

ROCHESTER, N. Y.

Mention The Review when you write.



50,000 Rooted Cuttings

	Per 100
Begonia Incarnata Gigantea.....	\$2.00
" Rex, mixed, Mrs. Pollock.....	2.00
" Rex, 80 named varieties.....	4.00
Coleus, 50 varieties.....	1.00
" mixed.....	\$5.00 per 1,000.....
" separate colors, 6.00.....	.75
Ageratum, Geraniums, mixed.....	1.00
Geraniums, separate kinds.....	1.50
" bronze, lemon verben.....	1.50
" silver leaf, rose scented.....	1.50
" Mme. Sallerii, Vinca var.....	1.25
Impatiens Sultana, assorted.....	2.00
Pelargoniums, assorted, named.....	4.00

POTTED PLANTS.

Begonia Incarnata Gigantea.....	2½-in. 4.00
" Rex, mixed.....	4.00
" Rex, 80 named varieties.....	6.00
Cinerarias, best strains.....	3.00
Asparagus Plumosa Sprengerei.....	6.00
Impatiens Sultana.....	3.00
Geraniums, Silver Leaf.....	4.00
Lemon Verben.....	4.00
Forget-me-not, winter flowering.....	3.00
Vincas Var., 2-inch, 3-inch, extra.....	\$2.00 to 4.00

Write for prices on other stock or for large quantities. Terms Cash or C. O. D.

GREENE & UNDERHILL, Watertown, N. Y.

Mention The Review when you write.

SOME THINGS YOU WANT.

RUDEBECKIA, "Golden Glow," 3½-inch pots, \$1.00 per 100.

ACHILLEA, "The Pearl," 3½-inch pots, \$1.00 per 100.

COREOPSIS LANCEOLATA, 3½-inch pots, \$1.00 per 100.

HARDY PHELOX, assorted, 3½-inch pots, \$1.00 per 100.

STATICE ARMERIA, from 3½-inch pots, \$3.00 per 100.

REX BEGONIAS, from 3½-in. pots, beautiful plants, at \$1.00 per 100.

JAPAN IRIS, field grown, \$1.00 per 100.

Enough extras added to more than pay expressage. **Cash, please.**

EDWARD B. JACKSON, Stamford, Conn.

Mention The Review when you write.

ANTON SCHULTHEIS, P. O. Box 78...
College Point, Queens Borough, N. Y.
HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity

Come, see and convince yourself. **Ericas (Heather), also Full Line of Other Flowering Plants**
Price List on Application.



51 Wabash Ave. CHICAGO.
W. S. HEFFRON, Mgr.
Price List taking effect Thursday, Feb. 2.

ROSES.

Am. Beauties, long, per doz.	\$6.00—	
" medium, per doz.	2.00—	\$4.00
" short, " "	1.00—	1.50
Meteors, Maids, Brides and Kaiserin,		
per 100,	6.00—	10.00
Perles.....	4.00—	6.00
Roses, seconds, average.....	4.00—	

CARNATIONS

Are Our Specialty. Per 100

Fancy varieties, fancily grown.....	\$3.00—
Ordinary varieties, fancily grown.....	2.00—
Ordinary varieties, average stock.....	1.50—

Miscellaneous.

Alyssum.....	per 100,	\$.50
Freesia (strictly fancy).....	"	3.00
Marguerites.....	"	.75
Mignonette.....	"	3.00
Forget-me-not (scarce).....	"	2.00
Callas.....	per doz.,	1.50—2.00
Harrisii.....	"	1.50—2.00
Romans.....	per 100,	2.00
Narcissus.....	"	8.00
Tulips.....	"	8.00—5.00
Valley.....	"	4.00
Violets.....	"	.75—1.00

Decorative.

ASPARAGUS.

Per string.....	\$.50—	.75
-----------------	---------	-----

FERNS.

Per 100, 25c.....	per 1,000,	\$2.00
Maiden Hair.....	per 100,	\$1.00—

GALAX.

Bronze and Green, per 100, 15c.....	per 1,000,	\$1.00
-------------------------------------	------------	--------

SMILAX.

Common, very fine.....	per doz.,	\$1.50
Wild, Parlor Brand case.....		3.75
" Medium case.....		5.50
" Large case.....		8.00

All other flowers in season at lowest market rates.

Above quotations are subject to change without notice. P. and D. at cost.

Extra select and inferior qualities charged for according to value.

Store open from 7:00 A. M., until 6:30 P. M. Sundays and Holidays closed at noon.

Mention The Review when you write.

Ornamental Shrubs,

HERBACEOUS PERENNIALS.

A specialty of Iris, Phlox, Paeonies, Pyrethrums, Poppies, etc. Wholesale List on application.

JACOB W. MANNING,

The Leading ESTABLISHED 1854.
New England Nurseryman. READING, MASS.
Mention The Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

ORDER NOW. TUBEROUS ROOTED BEGONIAS AND GLOXINIAS...

Our strain of these important spring and summer flowering bulbs is the finest to be found in Europe. We make personal selections of these stocks when in flower and same must not be confounded with cheap, indifferent strains which are dear at any price.

SINGLE ROSE, Scarlet, White, Yellow, and Orange, 50 cents per doz., \$8.00 per 100, \$25.00 per 1000.

SINGLES IN CHOICEST MIXTURE, 40c per per doz., \$2.50 per 100, \$20.00 per 1000.

DOUBLE ROSE, Scarlet, White, and Yellow, 75c per doz., \$8.00 per 100, \$50.00 per 1000.

DOUBLES IN CHOICEST MIXTURE, 60c per doz., \$5.00 per 100, \$45.00 per 1000.

GLOXINIA CRASSIFOLIA GRANDIFLORA, 50c per doz., \$4.00 per 100, \$30.00 per 1000.

FANCY LEAVED CALADIUMS, 30 choice varieties, \$2.00 per per doz., \$15.00 per 1000.

HENRY A. DREER, 714 Chestnut St., Philadelphia.

Mention The Review when you write.

NEPHROLEPIS CORDATA COMPACTA.

Foliage a very deep green, growth strong and robust, making an ideal pot plant. It sells better than the Boston Fern and will stand more rough usage.

The Grandest of all Sword Ferns.

WE OFFER very fine stock at the following prices:

2½-inch pots, \$.75 per dozen;	\$6.00 per hundred.
3-inch pots, 1.25 " "	7.50 "
4-inch pots, 2.00 " "	15.00 "

Terms: Cash with order.

Address H. W. BUCKBEE, Rockford, Ill.

Lock Box 911.

FOREST CITY GREENHOUSES.

Mention The Review when you write.

Palms and Ferns...

WE HAVE A LARGE STOCK IN FINE CONDITION.
We guarantee safe arrival if shipped by Express.

CORRESPONDENCE SOLICITED.

Ellis & Pollworth, - Milwaukee, Wis.

Mention The Review when you write.

New Mammoth Verbenas. Elegant pot plants, extra strong, full of cuttings, \$2.00 per 100. Rooted cuttings 60c per 100, \$4.00 per 1000. Cash with order. We prepay express and guarantee the stock satisfactory in every respect.

SOUTH SIDE FLORAL CO., Springfield, Ill.

Copy of an order just received. Dec. 18, 1898. South Side Floral Co., Springfield, Ill. Dear Sirs:—The verbenas arrived in good order. Thanks for sending as good stuff as that is, as nobody has any room to kick on that kind of stuff at twice the price. Please find P. O. order for \$1.00 for 100 double fringed Petunias. A. DINKEL, Brazil, Ind.

Mention The Review when you write.

Calycanthus floridus seedlings, No. 1,	\$2.00 per 100
" " No. 2,	10.00 per 1000
Hop Free (Ptelea), 18 to 24 inches, . . .	15.00 "
Amorpha fruticosa, 6 to 12 inches, . . .	5.00 "
Chionanthus virginica (White Fringe), two-year,	3.00 per 100
Hibiscus Moscheutos (Crimson Eye), . . .	2.00 "
Hypericum kalmianum, . . .	3.00 "
Yucca filamentosa seedlings, No. 1, . . .	2.00 "
" " No. 2, . . .	10.00 per 1000
Ampelopsis virginica, . . . No. 1, . . .	20.00 "
" " No. 2, . . .	10.00 "

8 mples mailed for 10 cents.

Catalogue and price list for all in the trade.

SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

Mention The Review when you write.

CATALOGUES RECEIVED.

Samuel C. Moon, Morrisville, Pa., ornamental trees, plants, shrubs, vines etc., fruit trees and plants; F. C. Heinemann, Erfurt, Germany, seeds; Schlegel & Fottler, Boston, Mass., seeds, plants, bulbs and fertilizers; R. & J. Farquhar & Co., Boston, Mass., seeds, plants, bulbs, fertilizers, tools, etc.; W. W. Wilmore, Denver, Colo., dahlias, cactus, cannas, paeonies, etc.; W. R. Shelmire, Avondale, Pa., transom lifter for greenhouses; Cincinnati Cut Flower Co., Cincinnati, O., cut flowers and florists' supplies; Barr & Sons, London, England, seed guide; L. L. May & Co., St. Paul, Minn., farm and floral guide; same, wholesale price list of seeds; F. Dorner & Sons Co., Lafayette, Ind., descriptive price list carnations; Weeber & Don, New York, seeds, bulbs, tools and horticultural requisites; Theo. Bock, Hamilton, Ohio, new and choice chrysanthemums; L. E. Archias & Bro., Carthage, Mo., rural guide and seed catalogue; Otto Fehrlin, Galveston, Tex., calendar; Grallert & Co., Colma, Cal., carnations, chrysanthemums, violets, etc.

SMITH'S GROVE, KY.—Mr. Geo. B. Moulder, the specialist in aquatic plants, is to be married Feb. 9 at Kansas City, Mo., to Miss Eva L. Knowles.

LOWELL, MASS.—Mr. Charles A. Whittet, formerly with Whittet & Co., the florists, has been elected supt. of the parks and commons of the city of Lowell. Mr. Whittet is a popular and well known young man and has a large circle of friends who wish him success.

UTICA, N. Y.—The handsome greenhouses of Mrs. W. D. Walcott at New York Mills were destroyed by fire January 2. They contained many rare plants.

WINNIPEG, MANITOBA.—On January 7 the thermometer registered 43 deg. below zero, but on the night of the 12th we had no frost at all. How is that for a change?

Cincinnati Cut Flower Co.

416 Walnut St. CINCINNATI, O. Wholesale Florists

Consignments Solicited.
Special Attention Given to Shipping Orders.
Mention The Review when you write.



WHOLESALE FLORIST,
11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.
Mention The Review when you write.

REINBERG BROS.

Wholesale
Growers of

Cut Flowers

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.
51 Wabash Ave., CHICAGO

Mention The Review when you write.

Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of
and Dealers in CUT FLOWERS

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.

Lynch
WHOLESALE FLORIST
19-21
E. RANDOLPH ST.
CHICAGO

Our prices are as low as any
and our stock superior.
We ask for a trial order.

Mention The Review when you write.

A. L. RANDALL

Telephone
1495



Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better prepared than ever to handle your orders.
Mention The Review when you write.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.
Mention The Review when you write.

HOLTON & HUNKEL CO.

Wholesale Florists
And Florists' Supplies.

Phone 874. WIRE DESIGNS—OUR OWN MAKE

457 Milwaukee St.

P. O. Box, 103. Milwaukee, Wis.

Mention The Review when you write.

800,000
FEET
OF
GLASS.

Wholesale Price List.

AMERICAN BEAUTY

Extra long stem... per doz.	\$5.00
24-inch stem.....	3.50
20 ".....	2.50
15 ".....	2.00
12 ".....	1.25
8 ".....	1.00
METEOR..... per 100,	6.00 to \$8.00
BRIDESMAID.....	6.00 to 8.00
BRIDE.....	7.00 to 10.00
PERLE.....	5.00 to 6.00
CARNATIONS.....	1.50 to 2.00
" fancy.....	3.00
Roman Hyacinths.....	2.00 to 3.00
Valley.....	4.00

Quotations subject to change without notice.
All other stock at lowest market prices.
No charge for packing.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.
Mention Florists' Review when you write.



ST. LOUIS
Cut Flower Co.
Wholesale Florists,
1322 Pine St.,
ST. LOUIS, MO.

Mention The Review when you write.

ELLISON & TESSON,

WHOLESALE SHIPPING

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

...Home Grown Stock...

Mention The Review when you write.

C. W. WORS,

2740 Olive Street, - - ST. LOUIS, MO.

Flowers at Wholesale

ROSES, and a full line.

Headquarters for the Southwest.
Mention The Review when you write.

Maplewood Cut Flower and Plant Co. GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.

Mention The Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES,

88 Wabash Avenue, ^{Rooms} 22 and 23. ^{Long Distance Telephone} Express 468. CHICAGO, ILL.

CHOICE FLOWERS AT LOWEST MARKET RATES.

**Klehm's Novelty Tulip, SOLD BY ALL...
\$4.00 per 100. COMMISSION MEN.**

We Stake Our Reputation on Evanston. It is just what we claim for it.

Our aim is to give you just
what you want. Let us know
your wants when you order
(state quality) and we will do
the rest.

ROSES.

Am. Beauties, long, per doz.	\$3.00
medium, per doz.	2.00 to \$ 4.00
short	1.00 to 1.50
	Per 100
Meteors, Maids, Brides and Kaiserin,	6.00 to 10.00
Perles	4.00 to 6.00
Roses, seconds	4.00

CARNATIONS ARE OUR SPECIALTY.	
	Per 100
Fancy varieties	\$3.00 to \$5.00
Ordinary varieties, select	2.00
Ordinary varieties, good average	1.50

MISCELLANEOUS.

	Per 100
Alyssum	\$0.30
Freesia	3.00
Marguerites	.75
Mignonette	3.00
Forget-me-not	1.50
Callas, per doz.	\$1.50 to \$2.00
Harrisii	1.50 to 2.00
Romans	2.00 to \$3.00
Narcissus	2.00 to 3.00
Tulips	3.00 to 4.00
Valley	3.00 to 5.00
Violets	.50 to 1.00
Daffs	3.00 to 4.00

DECORATIVE.

ASPARAGUS.

Per string	\$0.50 to \$0.75
------------	------------------

FERNS.

Per 100, 20 cents	per 1000, \$2.00
Maiden Hair	per 100, 1.00

GALAX.

Bronze and Green, per 100, 20 cents; per 1000,	\$1.25
--	--------

SMILAX.

Common, very fine strings	per doz., \$1.50
Wild, Parlor Brand, case	3.75
Medium case	5.50
Large case	8.00

All Other Flowers in season at Lowest Market Rates.

Above quotations subject to change without notice. P. and D. at cost.

Extra select and inferior qualities charged for according to value.

Store open from 8:00 A. M. until 6:30 P. M. Sundays and Holidays closed at noon.

...Don't forget that flowers
are scarce, but if your wants
can not be taken care of by
us, NO ONE can take care of
them.

New Carnation Evanston.

A Scarlet
Tidal Wave.

Rooted Cuttings, \$7.00 per hundred, \$60.00 per thousand, 500 at the thousand rate. Orders booked now.

E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention The Review when you write.

MIDDLETOWN, CONN.

Trade continues good, with a fair supply of all seasonable plants and flowers, except carnations, which are scarce and sell from 35 to 50 cents a dozen. Roses are not selling very well. Violets are plentiful and are quoted at 20 and 25 cents a dozen.

Funeral work has been in great demand this last week, thus using up all surplus flowers.

A. N. Pierson, the Cromwell florist, is building a range of eight new greenhouses and reports a scarcity in flowers of all kinds, especially roses.

S. P.

WESTFIELD, N. J.

Andrew Jepson reports that his Easter lilies are the best he has had in several years. His roses and carnations have been very satisfactory this winter, but his violets were a failure. He says that he did not get a thousand good plants out of three houses 20x100 feet.

Charles Doerer has had very good success with his roses, carnations and violets. In fact, business has been very good with him in general. R.

A DOUBLE ALLAMANDA.

Messrs. Lambert Bros., Atlanta, Ga., sent us a photograph of a semi-double-flowered Allamanda that originated with them. They advise us that it is a sport from Williamsii and that the flower is as large, fragrant and beautiful as the parent, while it is much more durable as a cut flower. The central petals hide the bronze or carmine throat, making the whole flower a clear lemon yellow.

Messrs. Lambert write that they also have a pure white hindsue.

CHANGE IN DATE.

The public sale of real estate, greenhouses and florist's business of Mr. W. R. Shelmire, at Avondale, Pa., will take place Thursday, Feb. 9th, instead of Feb. 16th, as previously announced.

"SUBSCRIBER."—Kindly bear in mind that the real name and address must accompany all communications to insure attention.

NEW FANCY CARNATION

One-Half Natural Size.

...Sandusky

SANDUSKY, O., Jan. 23, 1899.

MR. W. E. HALL, Clyde, O.

DEAR SIR:—In regard to your New Carnation Sandusky, I can with confidence recommend it as the best all 'round Variegated Carnation sold over my counter, always bringing a higher price than any other. It is large, bold, handsome and attractive, with exceedingly long, stiff stems, and I have yet to see one calyx burst.

Very truly yours,

J. C. GOODING, Jr.

ROOTED CUTTINGS

\$2.00 per doz., \$10.00 per 100, \$75.00 per 1000.

W. E. HALL, Clyde, Ohio.

Mention The Review when you write.

M. RICE & CO.NEW ILLUSTRATED CATALOGUE
FOR THE ASKING.Exclusive Importers and
Manufacturers of**Florists' Supplies****25 N. Fourth Street, PHILADELPHIA, PA.**

Mention The Review when you write.

EASTER, 1899, IS COMING!Don't delay any longer
to order your**LILY OF THE VALLEY**, the cream of the market, Berlin pips, large bells, \$12.00 per 1000.**CRIMSON RAMBLER**, extra fine plants, \$25.00 per 100.**TUB. ROOT. BEGONIA HYBRIDA**, in four separate colors, bulbs about 1½ inches diameter, \$2.50 per 100, \$20.00 per 1000.**GLOXINIA HYBRIDA CRASSIFOLIA ERECTA**, \$3.50 per 100, \$30.00 per 1000.**CLEMATIS, RHODODENDRONS, SPIRAEA, PABONIES**, etc., now on hand.Terms to unknown correspondents,
cash; otherwise, 60 days.**F. W. O. SCHMITZ, Jersey City, N. J.**

Mention The Review when you write.

100,000 VERBENAS,THE CHOICEST
VARIETIES
IN CULTIVATION....

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

{ No Rust or Mildew.
Packed Light and
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention The Review when you write.

GERANIUMS. S. A. Nutt, Marvel, and other standard varieties, 2-inch pots, \$2.00 per 100.**ASPARAGUS SPRENGERII.** Strong plants, 2½-in. pots, \$6 per 100**BOUGAINVILLEA.** Large, bushy plants, 4-inch pots, \$10.00 per 100.

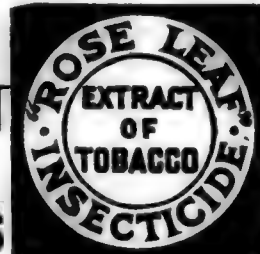
CARNATIONS all sold.

NATHAN SMITH & SON, Adrian, Mich.

Mention The Review when you write.

INSURE AGAINST
IN THE FIRE**Florists' Mutual**

Fire Insurance Ass'n.

ADDRESS **W. J. VESEY, Sec'y,**
FORT WAYNE, IND.**THE
BEST
FOR
ALL
Florists**For Sale by
Seed StoresFor Free
Pamphlet,
write to**Louisville
Spirit Cured
Tobacco Co.
Louisville, Ky.**

Mention The Review when you write.

"CONTINENTAL LIMITED."

NEW FAST TRAIN EAST VIA THE WABASH.

Leaves Chicago daily at 12:02 noon; arrives Detroit 8:20 P. M., Buffalo, 5:00 A. M. New York 3:30 P. M., Boston, 5:50 P. M.—only one night on the road. Through sleeper. Ticket Office, 97 Adams Street, Chicago.

F. F. BENTHEY, Manager.

A Full Line of Every Variety of
Cut Flowers in
Season....

CUT FLOWERS

Orchids
Harrisii
Callas

GIVE US
A
TRIAL

Asparagus
Adiantum
Smilax

Bulbous
Stock
IN VARIETY.

Choice Roses,
Fancy
Carnations,
Violets.

PRICE LIST.

Subject to Change Without Notice.

	PER DOZ.
Roses, Am. Beauties, long	\$5.00 to \$6.00
“ “ medium	2.00 to 4.00
	PER 100
“ Bridesmaid	6.00 to 8.00
“ Brides, Meteors	6.00 to 8.00
“ Perles	4.00 to 5.00
Carnations, long	1.50 to 2.00
“ fancy	2.50 to 3.00
Violets . . . . .	.50 to 1.00
Harrisii, Callas	12.00 to 15.00
Valley	3.00 to 4.00
Freesia, Romans	2.00 to 3.00
Paper White Narcissus	3.00
Daffs., double and single	3.00 to 4.00
Tulips	3.00 to 5.00
Smilax	12.00 to 15.00
Asparagus . . . . .	.50 to .75
Adiantum	1.00
Ferns, common, per 1000, \$2.00 . .	.25

BENTHEY & CO.,

41 Randolph St.,
CHICAGO.

Wholesale
Florists

Mention The Review when you write.

SAMUEL S. PENNOCK, WHOLESALE FLORIST

OPEN DAY AND NIGHT—From 12 A. M., Mondays to 10 P. M., Saturdays.

A constant supply of **SELECT VALLEY** the year round. **1612-14-16-18 Ludlow St., Philadelphia, Pa.**
AMERICAN BEAUTIES OUR SPECIALTY.

Mention The Review when you write.

WESTERN PENNA. HEADQUARTERS FOR EXTRA FANCY STOCK.

PITTSBURG CUT FLOWER CO., Ltd.

705 Penn Avenue, PITTSBURG, PA.

Long Distance
Phone 2157.

Wholesale Florists.

Write for Price List.
Consignments
Solicited.

Mention The Review when you write.

PROVIDENCE, R. I.

At the annual meeting of the Florists' and Gardeners' Club, officers for the ensuing year were elected as follows: W. E. Chappel, president; Jas. Hockey, vice-president; A. M. Rennie, secretary; F. Macrae, treasurer; J. Macrae, librarian. Executive committee, Walter S. Nichol, William Hill, R. W. Greene; essays and discussions, James B. Canning, Charles Forbes, James Hockey; on investigation, William B. Hazard, William Appleton, Jr., I. Z. Dodge; on entertainment, N. D. Pierce, Jr., Alex M. Rennie, T. J. Johnston; awards on exhibits of new varieties of merit, M. Sweeney, J. Macrae, J. F. Schellinger.

COSMOS KLONDYKE.

We have received from Mr. A. W. Smith, Americus, Ga., a colored plate of this new orange yellow cosmos. It be described as a cross between Cosmos sulphureus from Mexico and a tall, late blooming variety. It showed the first bloom April 15th, when 18 inches tall, was in full bloom by May 15th, and continued growing and blooming until cut down by frost October 26, at which time the plants had a height and spread of 3½ to 4 feet, covered with orange yellow blossoms 2½ to 3¼ inches across.

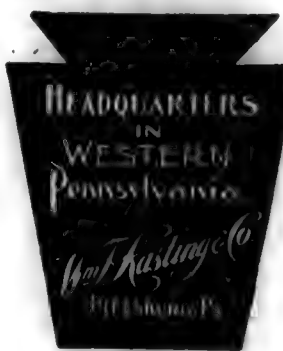
RETAIL ADVERTISING.

"House Plants in the House" is the title of a pretty and inexpensive folder that Mr. D. B. Long, Buffalo, N. Y., has added to his list of advertising pamphlets for the retailer. It is of convenient size to enclose in a No. 6 envelope, and a good feature is a list of the flowering plants suitable for the house, together with the months during which they are offered in bloom by the florist.

TRY AN ADV. in the Review if you have any surplus stock to sell to the trade.

ROSES,
Carnations,
VALLEY,
FERNS,
GALAX and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

Consignments of
good stock
solicited.



We get
daily new
customers
because
we have
the
reputation
that
all orders
are
punctually
filled.

Long
Distance
Telephone
2985.

WM. F. KASTING & CO., F. STOKES,
Wholesale Florists. 444 Sixth Ave. Manager.
All kinds of FLORISTS' SUPPLIES and
WIRE DESIGNS on hand.
Mention The Review when you write.

KELSEY'S SOUTHERN Galax Leaves

Brilliant Green and Bronze.

Information of the Introducer,
HARLAN P. KELSEY,
Prop. Highlands Nursery in North Carolina. 1106 Tremont Bldg.,
BOSTON, MASS.
Mention The Review when you write.

Cut Flower Exchange,

404 - 412 East 34th St., New York,
NEAR THE FERRY.
Open Every Morning at 6 o'clock for the sale of
CUT FLOWERS.
Wall space for Advertising purposes to Rent.
J. DONALDSON, SECRETARY.

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HOUSE PLANTS IN THE HOUSE.

The PLANT trade from the point of
"business," and also the care of Plants,
treated in an attractive six-page Folder
to be given to customers
Sample order of 25 copies mailed for 60c in stamps
Dan'l B. Long, Publisher, Buffalo, N. Y.
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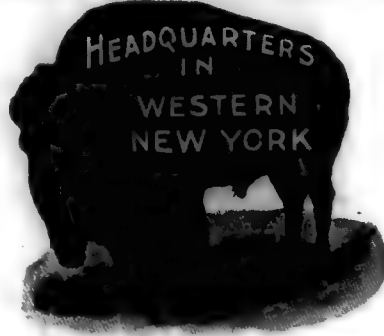
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Florists' Review

When Writing Advertisers.

GIVE US
A
TRIAL.
WE CAN
PLEASE
YOU.

Roses,
Carnations
and all
kinds of
Seasonable
Flowers
in stock.



WM. F. KASTING, Wholesale Com-
mission Florist,
495 Washington St., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire
Designs.

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WM. J. BAKER,

WHOLESALE
CUT FLOWERS,

1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

Mention The Review when you write.

WM. C. SMITH Wholesale Florist,

1604 Ludlow St. PHILADELPHIA.
LONG DISTANCE PHONE.

Consignments of Choice Stock Solicited.

Our central location enables us to fill out-of-town orders at short notice.

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EDWARD REID,

LONG
DISTANCE
PHONE.
Wholesale
Florist,

1526 Ranstead St., PHILADELPHIA, PA.

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CARNATION CUT BLOOMS.

Standard Varieties, \$1.50 to \$2.00 per hundred.

GOOD SMILAX, \$15.00 per hundred.

EVENDEN BROS., Williamsport, Pa.

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Rose Hill Nurseries.

Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

Largest stock in America.

SIEBRECHT & SON,

New Rochelle, N. Y.

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Spring Seeds for Florists.

NEW CROP.

**Verbenas, Stocks,
Nasturtiums,
Sweet Peas, Petunias,
and all other seasonable
seeds for Florists.**

**Headquarters for FLORISTS' SUPPLIES, Cut Flowers,
Wire Designs, and all Stock used by Florists.**

McKELLAR & WINTERSON,
45, 47, 49 Wabash Avenue, Chicago.

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Latania 5-in. pots.....\$5.00 a dozen
6 " " 7.50 "

Borbonica

JOHN WELSH YOUNG,
Upsal Station, Penna. R. R. GERMANTOWN, PA.
Mention The Review when you write.

IF You are ready for Young Roses

in 2-in. pots, send 50c or \$1 for samples of what varieties you want.We also have Rooted Cuttings and Roses and Carnations.

Write **GEO. A. KUHL, Pekin, Ill.**
Mention The Review when you write.

The Cottage Gardens,

C. W. WARD, QUEENS, L. I.
Manager.

WHOLESALE GROWERS.
FLORISTS' SPECIALTIES.
Mention The Review when you write.

REED & KELLER,
122 W. 25th St., NEW YORK CITY.

Manufacturers of WIRE & DESIGNS
and Dealers in

FLORISTS' & SUPPLIES
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Brilliant Green and Bronze
Galax Leaves

CHAS. H. RICKSECKER, Linville, Mitchell Co., N. C.
Mention The Review when you write.

PALMS All Home Grown, Strong and Healthy.
All Measurements are from Top of Pot, and don't you forget it.

ARECA LUTESCENS.			
		Height.	Per doz. Per 100
4-in. pot,	3 Plants,	15 to 18 in.	\$ 3.00 \$25.00
5 "	3 "	20 to 22 in.	6.00 50.00
6 "	3 "	22 to 26 in.	9.00 75.00
8 "	3 "	28 to 30 in.	12.00 100.00
12 "	3 "	60 to 72 in., very bushy, ea.,	10.00
A few bushy specimens, 14-in. pot, ¾-ft. high, ea.,			\$25

JOS. HEACOCK,
WYNCOTE, PA.

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COCOS WEDDELIANA.			
		Height.	
2 x 3-in. pot,	1 Plant,	6 to 8-in.	per 100, \$10.00
3	" 1 "	8 to 10-in.	" 15.00
4	" 1 "	15-in.	" 40.00
5	" 1 "	15 to 18-in., ea.,	50c.; doz. 6.00
5	" 3 "	15 to 18-in., ea.,	50c.; doz. 6.00

KENTIA BELMOREANA.				
	Leaves.	Height.	Per doz.	Per 100
3-in. pots,	4 to 5	10 to 12-in.	\$3.00	\$ 25.00.
4 " "	5 to 6	15 to 18-in.	6.00	50.00.
5 " "	5	18 to 20-in.	12.00	100.00.
6 " "	6	18 to 20-in.	15.00	125.00.
6 " "	6	24 to 30-in.	18.00	150.00.

New Double Petunia -- Pink Beauty.

This sterling variety originated with G. Brunner's Sons, two years ago, and has proven of exceptional merit as a bedder; can also be used as a cut flower. The color is a pleasing shade of pink, similar to Bridesmaid rose, and can be had in bloom the year round; it is as free in bloom as any single petunia; foliage medium size, strong, vigorous grower, continually throwing up new shoots from the base of plant; can be used in vases or baskets and the blooms in floral work to advantage. A mass of flowers until killed by frost. You make no mistake in giving it a trial. Ready March 1st, strong plants, from 2½-in. pots. \$1.50 per doz., \$8.00 per 100.

R. WITTERSTAETTER, Sedamsville, O.

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Burpee's Seeds Grow

Brides and Bridesmaids Rooted Cuttings.

\$1.50 per hundred, \$12.50 per thousand.
Will exchange for Carnation Cuttings.

H. M. ALTICK, Dayton, Ohio.
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1840 Old Colony Nurseries. 1899
HARDY SHRUBS, TREES, VINES,
EVERGREENS and PERENNIALS.

A large and fine stock of well-rooted plants, grown in a sandy loam. Good plants, best sizes for planting; very cheap.
Trade list free on application.

T. R. WATSON, Plymouth, Mass.
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TORONTO.

The Toronto Horticultural Society held its annual meeting January 11. Officers for the ensuing year were elected as follows: President, Henry Lucas; first vice-president, E. E. Tyrrell; second vice-president, Thomas McQueen; secretary, C. E. Chambers. Directors: Dr. Orr, G. D. Manton, A. G. Chambers, E. F. Collins, J. McP. Ross, G. H. Mills, E. Utley, Hermann Simmers, and George R. Copping. Auditors: W. H. Hall and T. F. Hire. Representatives on Industrial Exhibition Board: Dr. J. Orr and Hermann Simmers.

The secretary and treasurer reported satisfactory progress during the past year. Thirteen meetings were held, eighteen new members enrolled, and the balance on hand is \$29.19.

It was decided to ask the Electoral District Society for a grant, and the Industrial Exhibition Association to increase the society's representation on the board, on which there are now two members. The secretary was voted \$25, and thanks were expressed to Messrs. Manton and Mills for services in collecting and distributing plants in connection with the school children's chrysanthemum show; also to the City Council for use of the chamber.

A CURIOUS FREAK.

Among the curiosities sent us is a photograph from Mr. Jno. J. Copley, Attica, N. Y., showing a flower of *Nymphaea zanzibarensis rosea*, in which the calyx is attached to the stem about eight inches below the flower, instead of in its normal position. The flower is perfect except for the absence of the calyx.

A COPY of Dreer's Garden Calendar for 1899 has been received from H. A. Dreer, Philadelphia. It seems needless to comment upon it, as everyone knows what a complete catalogue this well-known firm issues. This year's issue contains 168 pages and cover. Upon the cover appear embossed in colors a graceful group of new nasturtiums and some spikes of montbretias. We agree with Messrs. Dreer that the montbretias should be more largely used, and we believe that florists who have a retail trade would find them very useful as a summer flower. Anyone who has not received a copy of the catalogue named may secure one by addressing the firm as above.

The Morris Floral Co.
MORRIS, ILL.

Estimates given on

R. C. Carnations.

Mention The Review when you write.

Rooted Cuttings, Roses and Carnations...

We offer well Rooted Cuttings of Roses and Carnations, as per list opposite, all in fine condition.

Place orders early.

ROSE PLANTS.

We also offer fine strong Rose Plants out of 2½-inch pots, as follows:

	Per 100	Per 1000
BRIDESMAID.....	\$3.00	\$25.00
BRIDE	3.00	25.00
PERLE	3.00	25.00
METEOR.....	3.00	25.00
KAISERIN.....	3.50	30.00

ROOTED CUTTINGS.

ROSES.

	Per 100	Per 1000
Meteor.....	\$1.50	\$12.50
Bridesmaid.....	1.50	12.50
Bride.....	1.50	12.50
Perle.....	1.50	12.50
Kaiserin.....	2.00	17.50

CARNATIONS.

	Per 100	Per 1000
Wm. Scott.....	\$1.00	\$7.50
Nancy Hanks.....	1.00	7.50
McGowan.....	1.00	7.50
Tidal Wave.....	1.00	7.50
Kohinoor.....	1.00	7.50
Flora Hill.....	1.50	12.50
Jubilee.....	2.50	20.00
Mayor Pingree.....	1.50	12.50
Triumph.....	2.50	20.00
Nivea.....	1.50	12.50
Daybreak.....	1.50	12.50
Armazindy.....	1.50	12.50
McBurney.....	2.50	20.00
Alaska.....	1.50	12.50
Argyle.....	4.00	35.00
Painted Lady.....	3.00	25.00
White Cloud.....	3.00	25.00
Evelina.....	3.00	25.00

REINBERG BROS., 51 Wabash Av., Chicago

Mention The Review when you write.

New Carnations for 1899...

	Per doz.	Per 100	Per 1000		Per doz.	Per 100	Per 1000		Per doz.	Per 100	Per 1000
C. H. Crane.....	\$2.00	\$10.00	\$75.00	Mary A. Baker.....	\$1.50	\$8.00	\$70.00	Iris Miller	\$2.00	\$10.00	\$75.00
America	2.00	10.00	75.00	Anna C. Eastburn.....	1.50	8.00	70.00	Elsie Furgeson..	2.00	10.00	75.00
Dorothy Sweet	2.00	10.00	75.00	Gov. Griggs.....	2.00	10.00	75.00	Dr. Tevis.....	2.00	10.00	75.00
Gen'l Gomez.....	2.00	10.00	75.00	Duke of York....	2.00	10.00	75.00	Helen Dean.....	2.00	10.00	75.00
Gen'l Maceo.....	2.00	10.00	75.00	Liberty.....	2.00	10.00	75.00	Leslie Paul.....	2.00	10.00	75.00
Glacier	2.00	10.00	75.00	Cardinalis	2.00	10.00	75.00	John Hinkle....	2.00	10.00	75.00
Melba.....	2.00	10.00	75.00	Progress	2.00	10.00	75.00	Grace Runyon....	2.00	10.00	75.00
Evanston.....	2.00	7.00	60.00	Emiline.....	2.00	10.00	75.00	Harriet Bradford.	2.00	10.00	75.00

Catalogue ready February 10th.

H. WEBER & SONS, = = OAKLAND, MD.

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Herr's Carnations.

YOU RUN NO RISK.

All Carnation Cuttings are sent out with the privilege of returning them at my expense if they are not found satisfactory on receipt and your money returned in full.

I have from 1,000 to 5,000 stock plants of each of the leading varieties, and offer Rooted Cuttings at very reasonable prices. Correspondence solicited.

UNCLE WALTER-- This is another one of Tidal Wave's many sports and I presume it is the same and just as good as any of its other ones. I can vouch for its goodness and that it is a scarlet sport from Tidal Wave. Rooted Cuttings can be had at \$5.00 per 100 or \$40.00 per 1000, either from JOHN MURCHIE, Sharon, Pa., or ALBERT M. HERR, Lancaster, Pa.

ALBERT M. HERR,
LANCASTER, PA.

The MODEL Extension Carnation Support.

Read what some of our best growers say concerning it.

Buffalo, N. Y., Jan. 13, 1899.
Theron Parker. Dear Sir:— Your Model Carnation Support is the best thing I have yet tried. In fact, it is about ideal. I used it this winter on Scotts, Flora Hill, Mrs. Beal and Genesee. The principle is perfect, but experience may teach us that in some varieties, for instance, Daybreak, the lower ring might with advantage be two inches lower. If could afford the first cost, at once, I would not think of using anything but the "Model." Very respectfully yours, WILLIAM SCOTT.

Other testimonials will appear weekly. Write for prices.

THE MODEL PLANT STAKE CO.,
22 Morton Street. Brooklyn, N. Y.

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ST. GLAIR CO. CARNATIONS.....

ROOTED CUTTINGS. NO DISEASE.

Rose Queen, Wm. Scott, Emma Wocher, Daybreak, Alaska, McGowan, Ruby, Jubilee, \$1.50 per 100, \$12.00 per 1000; Alyssum Double, \$1.00 per 100.

A. G. FEHR, Belleville, Ill.

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Bassett & Washburn's

ROOTED CUTTINGS OF

ROSES AND CARNATIONS

Are as Good as can be Grown and Free from Any Disease.

We shall Have a nice lot of PLANTS later.
Place your orders early if you wish the best.

We Guarantee what we say.
Orders filled in rotation.

BASSETT & WASHBURN,

Greenhouses and Residence,
HINSDALE, ILL.

Long Distance 'Phone No. 10.

Store, 88 Wabash Avenue,
CHICAGO, ILL.

Long Distance 'Phone Main 223.

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CARNATIONS

Healthy Rooted Cuttings Ready Now.

WHITE CLOUD.	EVELINA.
GOLD NUGGET.	MRS. JAS. DEAN.
PAINTED LADY.	NEW YORK.
BON TON.	EMPRESS.
PSYCHE.	
\$5 per hundred.	\$40 per thousand.
FLORA HILL.	VICTOR.
MAYOR PINGREE.	ALBA SUPERBA.
\$3 per hundred.	\$25 per thousand.
DAYBREAK.	WM. SCOTT.
JUBILEE.	HECTOR.
	MINNIE COOK.
\$2 per hundred.	\$15 per thousand.
ARMAZINDY.	\$2.50 per hundred, \$20 per thousand

The greatest scarlet of them all is HECTOR.

Pennrock Co., Box 262, Wilmington, Del.

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H.W. BUCKBEE

Seed Specialist,

Rockford Seed Farms.

Forest City Greenhouses.

Lock Box 911.

ROCKFORD, ILL.

Special Prices Upon Application.

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THE HARRIS DISEASE can be prevented

Kraft's Plant Tonic

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills Hard Shelled Scale, Mealy Bug, and other insect pests without injury to the plant. Send for circular.

KRAFT PLANT TONIC CO. Rockford, Ill.

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BABY PRIMROSE.

THE NEWEST THING FOR

EASTER BLOOMING.

Flowers in thumbpots, grows rapidly, will fill a 6-inch pot by Easter and carry 50 to 100 sprays of rosy flowers 10 to 15 inches long—last four weeks when cut. Wholesale at \$2.00 per 100. Grows finely in cool house. 12 for \$1.25 by mail; 100 for \$8.00 by express.

NEW, FRAGRANT, \$1,000 CALLA.

The fragrance of violets and lilies; very dwarf and free bloomer. \$6.00 to \$12.00 per 100; \$1.00 to \$2.00 per 12, mailed.

ASPARAGUS SPRENGERI.

2-inch, \$4.00 per 100 by express; 24 for \$1.50 by mail.
3-inch, 7.00 " " " 24 for 2.50 "

A. BLANC & CO., - PHILADELPHIA.

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LIVINGSTON'S TRUE BLUE Tomato Seeds

There are just two qualities of Tomato Seeds, "Livingston's" and "Others." Almost any tomato seed will grow, but "What will the harvest be?" Our specialty is The Best Seeds for the Market Gardener. Send for Catalogue and Gardener's List.

THE LIVINGSTON SEED CO., Seed Growers, Columbus, Ohio.

Mention The Review when you write.

Smilax from Flats, October Sowing.

Extra Strong. By mail or express.
Express paid to all parts of U. S. or Canada.
50c per 100, \$4.00 per 1,000; per 5,000 \$17.50.

E. H. SMITH, Macomb, Ill.

ROSES--ROOTED CUTTINGS....

Brides, Bridesmaid, Meteor and Perles at \$1.75 per 100, \$15.00 per 1,000. Clean, healthy stock. Remember, my Perles are First Prize Winners, and the others always come in for their share at the St. Louis Show.

J. F. AMMANN, Edwardsville, Ill.

ROSES.

	100	1000
Meteor	\$1.50	\$12.50
Bridesmaid	1.50	12.50
Bride	1.50	12.50
Perle	2.00	17.50
Kaiserin	2.00	17.50

CARNATIONS.

PINK.

	100	1000
Triumph	\$1.50	\$12.50
Wm. Scott	1.00	7.50
Painted Lady	4.00	35.00
Daybreak	1.50	12.50
Argyle	4.00	35.00
Mrs. Frances Joost	5.00	50.00
McBurney	1.50	12.50

RED.

Dazzle	4.00	35.00
Jubilee	2.00	17.50
Portia	1.00	7.50
Bon Ton	4.00	35.00

MAROON.

Empress	4.00	35.00
---------------	------	-------

WHITE.

Flora Hill	1.50	12.50
Mary Wood	5.00	40.00

The largest and best White Carnation that is grown. Has a strong stiff stem and a constant bloomer. Sell in the market today for nearly double any other White Carnation we handle.

Evelina	4.00	35.00
White Cloud	4.00	35.00

VARIEGATED--White and Red.

Mrs. Geo. Bradt	5.00	40.00
Psyche	4.00	35.00
Armazindy	2.00	17.50

YELLOW.

Mayor Pingree	2.00	17.50
Gold Nugget	6.00	50.00

LENOX, MASS.

The Lenox Horticultural Society held a meeting January 21, when there was exhibited a very fine vase of 25 or more very fine spikes of Eucharis Amazonica, grown and exhibited by Elmcourt Farm, Mr. William Griffin, superintendent. They received a first class certificate and were very worthy of it, being well grown, with very long stems and a good many flowers on each. Elmcourt Farm also exhibited carnations, Wm. Scott, Lily Dean and Albertini, securing diploma on this collection.

We also had the pleasure of an exhibition from Mr. John N. May of his celebrated carnation, "Melba," which we certificated. Mr. Chas. R. Russell opened a discussion on vegetables which brought out experiences from different members and, altogether, it was a very instructive meeting.

H. P. WOOKEY, Secy.

CATALOGUES RECEIVED.

L. L. May & Co., St. Paul, Minn., cut flowers; same, Flower Buyers' Guide; Iowa Seed Co., Des Moines, Ia., birds, gold fish, sea shells, etc.; Barr & Sons, London, seeds and bulbs; Kennicott Bros. Co., Chicago, cut flowers, florists' supplies; Cincinnati Cut Flower Co., Cincinnati, O., cut flowers; Ellis & Pollworth, Milwaukee, cut flowers, florists' supplies; Royal-Palm Nurseries (Reasoner Bros.), Oneco, Fla., native and exotic plants, trees and shrubs; Rowe & Noll, Newark, N. J., seeds; S. W. Pike, St. Charles, Ill., rooted cuttings; S. S. Pennock, Philadelphia, Pa., calendar; J. Breitmeyer & Sons, Detroit, Mich., floral calendar; H. Henkel, Darmstadt, Germany, plants; F. Dorner & Sons Co., La Fayette, Ind., new and standard carnations; W. W. Barnard & Co., Chicago, seeds; Harlan P. Kelsey, Boston, Mass., hardy American plants and Carolina mountain flowers; same, some information about the root Sang-or Ginseng, and cultural directions; Regan's Printing House, Chicago, handsome colored calendar.

Geo. M. Carter, Evergreen, Ala.; decorative evergreens; Geo. S. Osborn, Hartford, Conn., floral calendar; Peter Henderson & Co., New York, manual of everything for the garden; John Peed & Sons, London, England, seeds; W. A. Manda, S. Orange, N. J., novelties; Henry A. Dreer, Philadelphia, seeds, plants, bulbs, etc.; Thos. Meehan & Sons, Germantown, Pa., nursery stock; Ellis & Pollworth, Milwaukee, Wis., red flower pots, cut flowers, florists' supplies; L. L. May & Co., St. Paul, Minn., celluloid book mark; American Rose Co., Washington, D. C., celluloid calendar.

DUTY ON CANARY SEED.

By a recent decision of the U. S. General Appraisers at New York, Canary seed is classed as a grass seed and exempt from duty.

Carnation Seeds and Carnation Seedling Plants

From Hand Fertilized, Winter Blooming Varieties.

100 Seeds for 25 cents
100 Plants for \$4.00

Postage Pr. paid.

25 Plants at 100 rate. Cash with order.

AMERICAN ROSE CO., WASHINGTON, D. C.

Mention The Review when you write.

CARNATIONS...

ROOTED CUTTINGS.

G. H. Crane—The leader, large brilliant scarlet. Early and continuous bloomer.

Gen. Maceo (Ward) Maroon scarlet. The best of its class. Early and free.

Gen. Gomez (Ward) Cardinal maroon. Free bloomer.

Glacier (Ward) Pure white, dwarf habit.

America (Hill) Large soft scarlet.

Melba (May and Craig) Light pink.

White Cloud. All who have tried this variety declare it to be the best white carnation ever introduced.

Gold Nugget, yellow. **New York**, cerise pink.

Mrs. Jas. Dean, light pink. **Mary Wood**, white.

Mrs. Geo. M. Bradt.

Also, the best of all the other 1898 and standard varieties. **We have a FINE STOCK of**

EARLY CUTTINGS READY NOW.

Send for our complete descriptive Price List.

Dwarf Yellow Lantana...

Grows only eight inches high and always covered with bloom. Fine for bedding.

F. Dorner & Sons Co. LA FAYETTE, IND.

Mention The Review when you write.

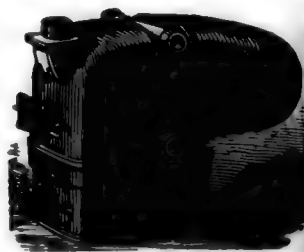
FELTHOUSEN Wants Room.

Read this and let us hear from you.

Remember, our Geraniums are grown in flats and in soil. Our selection, \$1.50 per 100, \$12.00 per 1,000. Mme. Salleroi, same price and grown in soil. Rose Geraniums, \$2.00 per 100. Ageratum, blue and white, 60 cents per 100, \$5.00 per 1,000. Fuchsias, standard sorts, \$1.50 per 100, \$12.00 per 1,000. Fever Few, Little Gem, from flats and in soil, \$1.25 per 100, \$10.00 per 1,000. Salvia Splendens and Bedman, \$1.00 per 100. Heliotrope, six varieties, \$1.00 per 100, \$9.00 per 1,000. Vinca Variegata, cuttings, \$1.25 per 100, 4-in. stock, fine, \$8.00 per 100, \$50.00 per 1,000. Coleus, all the best varieties, C. Verschaffeltii and Queen, 75 cents per 100, \$6.00 per 1,000. Coleus, in variety, 60 cts. per 100, \$5.00 per 1,000. The above are Rooted Cuttings, except when noted.

Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y.
Mention The Review when you write.



HITCHINGS & CO.
233 MERCER STREET, NEW YORK
GREENHOUSE BUILDING
VENTILATING APPARATUS
HOT WATER BOILERS, PIPES AND FITTINGS.
SEND FOUR CENTS FOR CATALOGUE.

Mention The Review when you write.

FOUR GRAND CARNATIONS...

AMERICA. The largest and most perfect shaped scarlet Carnation produced thus far; producing immense quantities of its soft, scarlet flowers. Of extra robust growth, free in the production of bloom. A good commercial variety. Preliminary certificate A. C. S., at Chicago.

G. H. CRANE. (Dorner.) A long-stemmed bright scarlet, free, profuse, and constant bloomer. It comes into bloom early and yields both quality and quantity; stem long and stiff from the beginning to end of season. Tested three years and proved all right as a commercial variety. Certificate A. C. Society.

MELBA MAY AND CRAIG.

A grand combination of good qualities, free bloomer, early and continuous. In point of color the finest pink Carnation yet produced, large and perfect in form, very fragrant and with a long, stiff stem.

MAUD ADAMS. (Niquet.) Deep clear cerise of a very pleasing shade under any light; most attractive color of its class; a large, bold, handsome flower, with extra strong stem, 18 to 24 inches high; with good calyx and exceedingly free flowering.

Price for above four varieties, \$10.00 per 100, \$75.00 per 1,000.

E. G. HILL & CO. RICHMOND, IND.

Mention Florists' Review when you write.

Stock for Florists.

Fresh Asparagus Plumosus Nanus Seed, \$1.25 per 100 seeds.
California Violets, rooted runners, 60c per 100, \$5.00 per 1,000.
California Violets, large clumps, \$5.00 per 100.
Smilax Plants, 3-in. pots, fine stock, \$2.00 "
Ficus Elastica, fine, large-leaved Belgian, 6-in. pots, 18 to 24 inches tall, \$6.00 per dozen.
Roses, 2½-in. pots, \$2.00 per 100.
4-in. pots.... 8.00 "

F. WALKER & CO.,

644 Fourth Ave., - - Louisville, Ky.
Mention The Review when you write.



GEO. WITTBOLD,

Established 1857.
Phone Lake View 136.

Grower and
Importer of

Tropical Plants

1708 N. Halsted Street, CHICAGO.

If you want any goods in our line we can give the very best of satisfaction in every respect. We want your future trade and know a trial order will make you a regular customer for whatever of our goods you may need. We hope to be favored with a trial order. Satisfactory references or cash must accompany all orders from parties with whom we are not acquainted. Following is a list of the stock we offer. It is in excellent condition and we are confident we can please you, both as to quality and price.

PALMS.

Measurements, top of pot to top of tallest leaf.

VARIETIES.	SIZE POT.	HEIGHT INCHES.	CHAR. LEAVES.	PRICE—EACH.	Doz.
Areca Lutescens.....	5-in.	22-26	6-10	\$0.50	\$ 5.00
" " " " " " " " " "	6-in.	24-28	8-10	.75	9.00
" " " " " " " " " "	8-in.	40-50	15-20	2.50	30.00
Cocos Weddelliana.....	3-in.	10-14	4-6	.25	2.50
Kentia Belmoreana.....	6-in.	24-28	5-7	1.50	18.00
" " " " " " " " " "	8-in.	36-40	4-6	2.50	30.00
" " " " " " " " " "	6-in.	32-36	3-5	1.25	15.00
Latania Borbonica.....	4-in.	14-16	2-3	.25	3.00
" " " " " " " " " "	6-in.	20-24	5-6	.75	9.00
" " " " " " " " " "	8-in.	24-30	5-6	1.50	18.00
" " " " " " " " " "	9-in.	34-36	7-8	2.50	30.00
Phoenix reclinata.....	5-in.	18-20	4-5	.50	5.00
" canariensis.....	6-in.	22-26	5-6	.75	9.00
" " " " " " " " " "	7-in.	28-30	8-10	1.00	12.00

If in need of large specimens of Latania Borbonica, Corypha, Areca Lutescens, Pandanus Utilis or Veitchii, etc., write us for sizes and prices.

MISCELLANEOUS.

	EACH.	Doz.
Auracaria Excelsa, from 6-in. pots, perfect plants.....	\$1.50	\$18.00
" " " " " " " " " "	2.00	24.00
" " " " " " " " " "	3.50	40.00
Asparagus Sprengerii, 4 " " nice plants.....	.20	2.00
" " " " " " " " " "	.25	3.00
" " " " " " " " " "	.50	6.00
" " " " " " " " " "	\$5.00 per 100	
" " " " " " " " " "		1.00
" " " " " " " " " "		1.50
Dracaena fragrans, strong plants from 5-in. pots.....	.50	5.00
Pandanus utilis, " " " " " " " " " "	.50	5.00
" Veitchii, " " " " " " " " " "	2.00	24.00
Peperomia Verschaffeltii, strong plants from 3-in. pots.....		1.00
" " " " " " " " " "		1.50
Sansevieria Javanica Variegata, from 3-in. pots.....		1.25
Cyperus alternifolius, strong plants, 4 " " " " " " " " " "		1.00
" " " " " " " " " "		1.50
Selaginella Emiliana, nice plants from 4-in. pots.....		1.50
" Martensii, " " " " " " " " " "		1.50

FERNS.

VARIETIES.	Size Pot.	Doz.	Per 100
Adiantum cuneatum.....	2-in.	\$0.50	\$ 4.00
" " " " " " " " " "	3-in.	1.00	8.00
" " " " " " " " " "	5-in.	2.00	16.00
Cyrtomium falcatum.....	3-in.	1.00	8.00
Lomaria gibba.....	3-in.	1.00	8.00
" " " " " " " " " "	4-in.	1.50	12.00
Nephrolepis pectinata... 4-in.		1.50	12.00

VARIETIES.	Size Pot.	Doz.	Per 100
Nephrolepis pectinata....	6-in.	3.00	25.00
" " " " " " " " " "	4-in.	1.50	12.00
" " " " " " " " " "	5-in.	2.00	16.00
" " " " " " " " " "	10-in.	30.00	
" " " " " " " " " "		\$2.50 each.	
" " " " " " " " " "	4-in.	1.50	12.00
Pteris Umbrosa.....	2-in.	.50	4.00
" serrulata.....	2-in.	.50	4.00

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Carnations and Violets in JADOO

Allegheny, N. Y., Jan. 21, 1899.

American Jadoo Co., 817 Fairmount Ave., Philadelphia, Pa.

Gentlemen:—It gives me great pleasure to recommend Jadoo Fibre for Carnation culture, and, as per your request, will give you my experience. With Carnations my plants were all grown in the field up to August 21st, when they were housed, being set in benches filled with my regular carnation compost. On each corner where a plant was to be set I scooped out about two quarts of the soil, filling the holes with clear Jadoo, into which the plants were set. The weather at the time of setting was very warm, sometimes reaching 110 degrees. As the plants were set they were given a good watering, and out of nearly 800 set in this manner I lost only seven, less than one per cent., which, considering the extreme heat, was remarkable. The plants were not watered again for several days, or until the soil began showing signs of dryness. They have not been watered oftener than once a week since, and all during the winter they have only been watered every two weeks. You see this is a wonderful saving in time and labor, and I am satisfied carnations could not do better than mine have. I have cut numerous blooms of the Flora Hill variety which measured 3½ inches in diameter, with 30-inch stems, and beautiful dark green foliage clear to the ground. From the 800 plants which I have in Jadoo I cut up to the 20th a few over 2700 blooms, and they are still one mass of buds. From indications they will probably average 12 to 14 blooms per plant before the season closes.

As far as the Liquid goes, cannot say much about it, as I have only just commenced using it, and have not had an opportunity to note its effect. Have no doubt, however, that it will be an improvement over the old way of feeding. It is certainly very convenient to use, and also a great saving in time.

Am growing violets in cold frame in clear Jadoo and sand, and from appearances, they will be in fine shape for Easter. Am also growing Hyacinths, Freesias, Callas, Smilax and Easter Lilies either in clear Jadoo and sand or Jadoo and loam, and will say that everything growing in it looks better than ever before, and all the plants, aside from Callas, are giving more and larger blooms than I ever cut before. My Callas have made a wonderful growth, but have not produced so many blooms as formerly. In my opinion this is caused by using too large pots. Am growing them in 7-inch, where last season they were grown in 5-inch.

Up to date I have not had a failure with Jadoo which could be attributed to the Jadoo Fibre. My roses did not do well, but it was all on account of a lack of drainage, which I am thoroughly convinced would have been the same with any kind of soil.

My experience up to date has been entirely satisfactory, and will warrant me in going still farther with it.

Yours very truly,

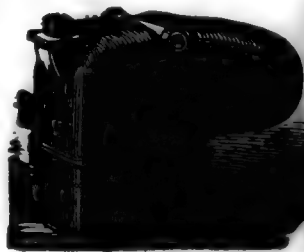
(Signed) W. L. PARQUHARSON.

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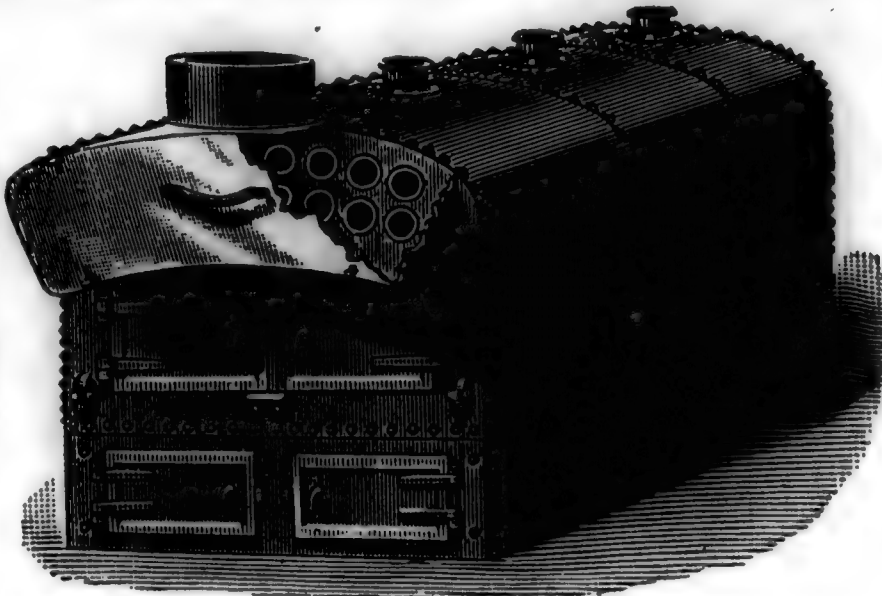
Southampton, Pa., March 1, 1897.
Messrs. Kroeschell Bros. Co.,
29 to 59 Erie St., Chicago, Ill.

Gentlemen:—I am in receipt of your favor of the 24th ult. In reply shall say that I shall always recommend your boiler, and have already done so to several parties. Your boiler is satisfactory in every respect.

If florists here east were better acquainted with your boiler, I am sure you would have a great sale for it. It has one great advantage over Hitchings' and most others, and that is, it burns small coal. If your boiler could be run under pressure, I would consider yours the Ideal Hot Water Boiler.

Respectfully,
STEPHEN MORTENSEN.

Send for Catalogue.



Chicago, March 16, 1896.
Kroeschell Bros., City.

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Yours truly,
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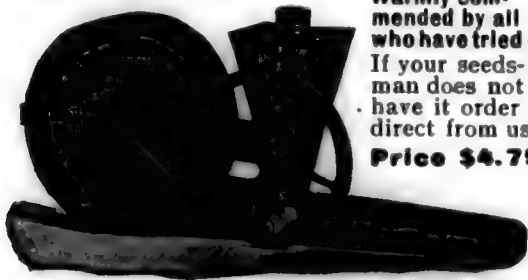
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Vol. III.

CHICAGO AND NEW YORK, FEBRUARY 9, 1899.

No. 63.

ADIAN-TUM WIEGANDII.

A few years since a much greater variety of ferns seemed to be grown for florists' use than is now found among the large trade growers. It is evidently a case of the survival of the fittest, or rather of the species and varieties that may be produced in large quantities with a minimum ex-

penditure of time and labor. *Adiantum Wiegandii* is one of those varieties that has almost disappeared within a few years, though it is not a particularly tender fern, or one that is difficult to reproduce.

We mention it as a variety rather than a species, because it seems probable that this fern is a form of *Adiantum capillus-veneris*, or else a cross

between that species and *A. cuneatum*, its origin being somewhat obscure. But be this as it may, the fern in question is a very attractive plant of dwarf and sturdy growth, the fronds being almost upright, having black stems and rather large pinnae that are inclined to be cristate.

A. Wiegandii is compact in habit and in a large plant reaches a height of 12 to 15 inches, and holds its foliage in good condition during the winter. This fern comes freely from spores, the latter being plentifully borne by plants a year old and upwards, and the seedlings soon become satisfactory plants in 3-inch pots if treated in the same manner as *A. cuneatum*, a night temperature of 60 degrees being a proper mark at which to carry these ferns.

But little trouble is experienced from "damping" of the foliage with *A. Wiegandii* during the winter, even when grown quite close together, the regular use of the hose having less effect upon this fern than is often found with *Adiantums* of low and compact habit. Thoroughly matured fronds stand well when cut, and the small plants will last longer than those of *A. cuneatum* in a fern pan, providing they are not used in too soft a condition.

W. H. TAPLIN.

A WELL KEPT CONSERVATORY.

A thoroughly stocked and well kept conservatory is always a most interesting place to a plant lover, and just such a conservatory as this may be found in the private establishment of Mr. Wm. Brown, at Flatbush, Long Island. There are doubtless many larger ranges of glass to be found among the private places of the East, but few are kept in a better average condition.

It is, however, impossible to include



Adiantum Wiegandii.

all sides of a house that contains many large specimens in one picture, and consequently the very clear photograph from which our illustration was prepared gives only a portion of the luxuriant masses of varied foliage with which Mr. Brown's conservatory is adorned, but gives us enough to create a desire for more of the same kind.

The fine specimen of *Cycas circinalis* on the left of the picture is a noteworthy plant that seems to increase in vigor and beauty with age, while the careless grace with which the tub

and base of this plant is partially screened by the rambling growths of *Cissus discolor* adds much to the effect. This seems like a happy touch of the gardener's art, "the art that doth mend nature."

In the right foreground one of the *Hoffmannias* or *campylobotrys* is a prominent feature, the strongly veined velvety leaves attracting attention. Some *alocasias*, *crotons*, *Asparagus plumosus*, foliage *begonias* and various creepers form a part of the undergrowth, while in the distance some *anthuriums* are distinguishable.

On the whole there is a general at home appearance about the stock that reflects great credit upon the gardener, Patrick Riley, under whose care this establishment has been for several years.

H.



ROSES

LATEST FACTS ABOUT GRAFTED & ROSES FOR WINTER FORCING.

BY ALEXANDER B. SCOTT.

[Read before the Florists' Club of Philadelphia, February 7, 1899.]

The subject assigned to me this evening is one of special interest to every rose grower, and my decided preference for grafted roses for winter forcing is the result of my own experience. Five years ago I was an enthusiastic advocate of roses on their own roots; my experiments up to this time, however, had not been with the winter forcing varieties, but with the general list of Tea and Hybrid Tea roses used in the mailing rose business.

In 1895 the Messrs. Dickson, of Belfast, induced me to try some dormant eyes of the winter forcing varieties, and from these I had splendid results. Unfortunately, the mortality of these dormant eyes inserted in *Manetti* stocks was more than one-half, and the following year we started grafting. The varieties grafted and tested side by side were *American Beauty*, *Kaiserin Augusta Victoria*, *Perle des Jardins*, *Bride*, *Bridesmaid*, and *Liberty*. The grafted *American Beauties* grew much stronger than those on their own roots during July and August, but by January 1st the own root plants were the best.

Kaiserin Augusta Victoria grafted

stock took the lead from the start, and although both were the same size when planted, by September 1st the grafted stock looked from 12 to 18 inches taller than the own root plants. From September 1st to January 1st we cut more than double the quantity of flowers from the grafted stock, and the flowers had much longer stems, and were of better quality.

Perle des Jardins:—I do not think that this variety takes kindly to the *Manetti* stock; it was more difficult to graft, and when planted out, grew no better than plants of equal size grown on their own roots.

Bride and Bridesmaid:—The grafted stock of these two varieties, and the own root plants, were grown in the same house and on the same tables; the difference in the growth was so marked that nearly every visitor to our place noticed it. The grafted plants sent up more strong canes from the base of the plant, and the flowers had stiffer and longer stems, and as a whole were larger, although some of the own root roses produced flowers equally as large as the grafted plants.

Liberty:—I may be pardoned if I state that this new crimson rose is a favorite of mine, and I believe that when introduced, it will have a great future. I planted both grafted plants and those on their own roots, side by side, and the difference in favor of grafted stock was as great as in *Brides and Bridesmaids*.

When I started these experiments I was in doubt as to which would be the most profitable, but after a year's trial I became a strong advocate of growing roses for winter forcing on *Manetti*

stocks, excepting only *American Beauty* and *Perle des Jardins*. In starting my new plant at Sharon Hill last spring, I believed so thoroughly in grafted stock that I used nothing else in planting *Bride*, *Bridesmaid*, *Kaiserin Augusta Victoria*, *Liberty*, *Souvenir du President Carnot*, and a few *Madame Hoste* and *Morgans*. So far, I have had no cause to regret my decision.

I planted all grafted roses, because from my own experiments, and from watching the stock of a few large rose growers, I came to the following conclusions: First, grafted roses will make strong, vigorous plants much quicker than own root roses; second, they produce as many, if not more flowers, and the flowers grade 25 to 50 per cent more extras and firsts than own root roses; third, the roots are comparatively free from disease, and so far, in lifting our grafted plants, I have failed to discover any evidences of eel-worm; fourth, grafted roses have more vitality than own root roses. I have always been a believer in the blood of a rose, and several years ago, when growing young roses in large quantities, as soon as I saw the vitality of a rose weakening, I always changed the stock, either in propagating from field-grown southern roses, or in importing fresh stock from Europe. This question of vitality is true today of our winter forcing roses, and by grafting roses on *Manetti* stock the vitality is quickened, and with each succeeding year the standard of growth can be kept up without having to change our stocks.

Grafted roses do well either on benches or in solid beds. Personally I prefer the latter, as I believe they will carry over to the second and third year better than when planted on benches. In planting, I always keep the union below the surface of the soil, and if planted on benches, the soil should be an inch deeper than for own root stock.

Stocks:—I have tried different varieties of stocks, and I believe the *Manetti* is best adapted for our purpose. Roses grafted on the English *Briar* have with me a decided tendency to go to sleep in mid-winter. The claim for the *Polyantha multiflora* stock, was that roses grafted upon it would produce more flowers of a more perfect finish than upon any other stock. With me, the roses grafted upon it did not grow as vigorously as upon the *Manetti*, and the flowers were hardly as good. In using *Manetti* stocks, we cannot get too good an article, as we have too much at stake to risk a poor stock, or one that will throw up suckers and weaken the vitality of the plant.

All the cuttings of *Manetti* stocks should be thoroughly eyed before they are rooted, to prevent suckers from coming up. To do this properly, more time and expense has to be put on it, and they are, therefore, higher in



View in Conservatory, Wm. Brown's Range, Flatbush, L. I.
[Conservatory erected by Lord & Burnham Co.]

price than French stocks that are not disbudded. Last year I purchased a few thousand at one-half the price I usually pay for first class stock. I only grafted two hundred of them, as they averaged from two to four suckers a piece in the grafting cases.

The latest facts about grafted roses for winter forcing are, that they have come, and have come to stay. Most of the live and progressive rose growers are either growing them now or will plant them for the next season's bloom.

PACKING FLOWERS FOR MARKET.

If you stand in a commission house any day you will see as many different styles of packing and packages as you would likely find in a life's travels. In my opinion the grower is not careful enough in packing and often does not display good judgment in cold weather. In my judgment the best all round boxes are those used by Garland Bros., Des Plaines, Ill. They are about 40 inches long, 24 inches wide, 12 inches deep, and contain three trays. The trays allow them to put the first

quality in one, second quality in the next and mixed flowers, smilax or anything else in the bottom. The result is that they have no breakage and the stock shows up well when received, which last is an important point that is becoming more and more important.

One may think the item of breakage does not amount to much, but I will try to show you that it does. Today we received a box containing 250 roses, all packed mixed as to quality. On taking them from the box we had the following broken: Five Maids, value 35 cents; 3 Brides, value 27 cents; 1 Meteor, value 5 cents; this makes a total of 67 cents, which would surely have paid for a box or would have helped to pay commission. But the worst point of all is that it helps to bring down the average, for it is always the best buds that break off as they are the ones with the stiff stems. If they had been in trays, the qualities kept separate, in a market like the present one they might have brought at least one cent more each, and that brings the total up to 76 cents.

Take a grower that ships to the market daily, and allowing only half this amount for breakage, he is losing 38 cents a day, or \$2.44 a week. At that rate he could buy a box factory and have money left at the end of the year. This same style of box can be used for violets or carnations, though for violets a smaller box can be used so long as they are in trays to keep the weight of one layer off of the others. And this also keeps them from sliding. When each tray is lined according to weather, with oiled paper over and under the flowers, it makes a nice marketable package.

When packing Harrisii lilies cut them in the evening and stand them up in your potting shed over night, BUT NOT IN WATER. This will wilt them slightly and make the petals soft and pliable so they will not break so readily when handled. Then fold the buds, if any, back of the open flowers, and in this way you can put 100 Harrisii in a box 12x10x60 if the stems are long, or more if they are not. Your commission man puts them in water and if the flowers have been properly wilted they will not show

the bruises that so often cause waste and loss now.

The point I want to make is that every flower spoiled or wasted, no matter what the cause, brings down the average, and the commission man is blamed for what is often wholly the

fault of the grower. Pack your flowers and assort them carefully, keeping the firsts and seconds separate. The growers who do this will find that it pays well and that they will get the money.
CHARLIE'S AUNT.



STEM ROT IN CARNATIONS.

The so-called stem rot is an old and well known fungoid disease. The first variety of carnation known to be affected was the old, well known La Purite. For some years no remedy was found, until the disease became general and growers set about finding out the cause.

Many expedients were tried in the way of buying stock propagated from healthy plants, experimenting with all kinds of soil in the greenhouse benches and with chemicals. Eventually some observant grower, or several growers, if I remember correctly, found out the secret at about the same time, which was simply planting their carnations in the fields in turf soil.

This fungoid seems to flourish in long cultivated soils, and growers will notice that very few plants succumb to the disease in the fields, although the germs are there deposited in the plants, and later developed in the more congenial atmosphere of the greenhouse. Cuttings taken from the healthy part of the stock and planted in fresh turf soil will not be affected.

Fairfield, Conn. JOHN DALLAS.

AMERICAN CARNATION SOCIETY.

The annual meeting and exhibition of the American Carnation Society will be held in Philadelphia next Thursday and Friday, Feb. 16 and 17. The meetings and the exhibition will be held in Horticultural Hall, South Broad St., and special rates for those in attendance have been secured at the Lafayette Hotel, at which delegates may have rooms on the European plan at \$1.00 to \$1.50 a day. These rates hold good only providing parties wanting rooms engage them at once through Secretary Herr or direct. It is believed that both the attendance and the exhibition will be the largest in the history of the society, and that many interesting sessions will be held none can doubt.

Papers will be read on carnations from a retail point of view by Mr. Galvin, of Boston, and Mr. Kift, of Phila-

delphia: One by Prof. Britton, of the New Haven Experiment Station, on commercial fertilizers and their relation to carnations; one by Mr. C. W. Johnson on indoor-grown carnations. The question box is open to all members, and questions for same should be forwarded to the secretary.

The exhibition will, as usual, be a most attractive feature and an especially fine display is assured this year through the very liberal list of premiums offered for finely grown specimens of standard sorts as well as new varieties. Then there are the S. A. F. cups and medals as well as a number of valuable special prizes offered by various firms and individuals. Mr. G. C. Watson, Juniper and Walnut Sts., Philadelphia, is superintendent of the exhibition. Entries should be made with Secretary Herr, and packages containing exhibits should be addressed "Superintendent Carnation Exhibition, Horticultural Hall, Broad St., below Locust, Philadelphia," and charges should be prepaid.

Any further information desired may be had on application to Secretary Albert M. Herr, Lancaster, Pa., or to Mr. Watson as above noted.

CARNATION GOV. GRIGGS.

We present herewith an engraving from a photograph of a small house of this new light pink carnation at the establishment of the originator, Mr. Joseph Towell, Paterson, N. J.

The plants shown were in the house all last summer and have done remarkably well, producing flowers freely since the latter part of August, and maintained a strong, vigorous and healthy growth, covered with flowers and buds.

The flowers average 2½ inches in diameter, are of good shape, well built up in the center and a beautiful shade of pink in the way of Daybreak, but brighter and very much superior to anything in the Daybreak class. It is a seedling from Daybreak crossed with Van Leeuwen.

SUB-WATERING.

Prof. Arthur will give the results of his latest experiments in sub-water-

ing at the annual meeting of the American Carnation Society at Philadelphia next week.

POT CHRYSANTHEMUMS.

Every fall after the "mum" crop has been cut many of our growers and retailers who grow their own stock, complain about the low prices realized for their products, especially pot plants. It is only too true that large lots of plants remain unsold, but it is nothing to wonder at if one considers the quality of a large part of the stock which is put on the market. Most florists are capable of producing a fair quality of blooms for cutting, some are even experts, but how few there are who produce pot plants of really good quality one can hardly imagine unless he visits some of the medium sized and smaller retail places. Seldom one sees a really good lot of low, well-formed, bushy plants with good blooms and good foliage reaching down to the pot. Instead, we usually see a lot of stakes and stems which are bare half way up, surmounted with a few blooms of fair quality, or worse still, plants hanging around every way instead of standing upright. Of course, there is no sale for such plants and the people who produce them can only complain that there is no money in growing "mums." On the other hand, we do know that good plants in from 6 to 8-inch pots, from 15 to 20 inches high above the pots, and bearing from 6 to 15 blooms of good quality and good foliage, do sell on sight and at fair prices. This brings the matter down simply to a question of growing a good plant or a poor one.

Many methods have been suggested and practiced by various growers since we used to plant them out in the field and lift them just before the frost nipped them (or just after if we happened to be very busy at the time) in the fall. Very few, perhaps, today believe in the old idea that the chrysanthemum needs to be grown outside during the hot weather as they used to tell us, but grow them inside altogether from start to finish. Some grow them in pots, shifting as required to keep them growing. Others plant on shallow benches and lift them about September 1, just before the plants make their buds. Both ways are good and with moderate care and judgment will produce good plants. There is more or less danger in both cases of losing the lower foliage. In the first method one is apt to be busy just when the plants need to be shifted and put it off until the plants become too pot-bound and the damage is done. In the second method the largest part of the work comes just when most florists are busy housing carnations, which most of us do from August 15th to October 1st, and even if we lift them at the proper time we are apt to give them less attention than they really need in the way of syringing, etc.



House of New Carnation Gov. Griggs, at Joseph Towell's, Paterson, N. J.

A method which I have found a good one for florists to pursue who have an ordinary good trade with customers who appreciate a good plant and are willing to pay a fair price is as follows: About May 20 take top cuttings from good large flowered dwarf varieties, selecting good, strong shoots, and put in sand (no bottom heat needed). Water well and shade to keep from wilting. As soon as rooted, pot into 2-inch pots. About July 10th you will have good plants. Plant in three inches of good chrysanthemum soil about 7 to 8 inches apart each way, according to the size foliage the variety will make. As soon as they begin to grow pinch the top out, the lower the better, providing you leave three good eyes to break from. Grow three branches to each plant; most varieties will make three good shoots of equal strength and produce as many good blooms. Leave them here until they are in bloom, when you can pot them, putting two to three plants in a 6-inch pot and three to five in an 8-inch pot. Perhaps you can sell large pans with ten or twelve plants in each. As each plant has three blooms you see each pot will have from six to fifteen good blooms on it. You need not take up large chunks of earth with the roots, in fact, you need to leave none on at all if you keep them well watered after potting. They will stand up as well as if they had been growing in the pots all summer if they are not allowed to get too dry. In this way you will get larger blooms than you can grow in pots and better and larger foliage as well.

The amount of labor is no greater, I believe, than in growing them in pots and it is certainly not greater than in planting on benches and lifting September 1st. Another advantage is that

you can pot up as many as you can sell and cut the rest with stems from 15 to 18 inches long, which is a trifle short for a first class bloom, but every florist has many calls for just such stock, and is able to sell all he has to spare. Here are some varieties which I know from experience do well this way: Bergman, Canning, Merza, Miss A. L. Dalskov, Glory of the Pacific, Fred. Walz, Quito, Wm. H. Lincoln, H. W. Rieman, Harry Hurrell, Golden Trophy, Solar Queen, Casco and John Shrimpton. The old adage that whatever is worth doing is worth doing well certainly applies to growing pot "mums," because a good plant brings a fair price, while a poor plant usually finds its way to the dump heap. Such is the experience of

A. F. J. BAUR.

Pittsburg.

STRIKING CUTTINGS.

[From the Physiology of Plants by Dr. Paul Sorauer]

A cutting is a portion of a plant detached from the parent stock, and which becomes an independent plant by the formation of new roots. The new roots take their origin either immediately at the cut end or at some little distance from the latter. In different plants the power of producing adventitious roots is very different. Speaking generally, we may say that the older the various organs of the plant are, the less inclined they are to form adventitious roots, and that of the various cultivated plants those are least liable to be propagated by cuttings which have a hard and brittle wood.

* * *

If a cutting is to form roots, and therefore to develop new organs, it must contain a sufficient supply of plastic matter for that purpose. This

material has either been formed in a previous vegetative period and is stored up in the shoot (woody cuttings), or the cutting must be able to form the necessary substances after it has been detached from the parent plant (herbaceous cuttings). The latter must therefore always be provided with leaves, while in the case of the former it is not necessary. Woody cuttings always form callus over the cut end; in herbaceous cuttings it need not be formed. The formation of roots in a cutting is not dependent upon callus formation.

We may here repeat again that callus is a thin-walled colorless tissue, consisting of meristematic cells arranged in close rows, of which the end ones are still in process of growth and which have not as yet become differentiated into cork or wood.

The first sign of life in a cutting manifests itself by an alteration of the tissues near the cut surface, the cut generally running obliquely across the shoot and being close below a bud. If we cut off a shoot, we thereby expose all the tissues of which it is formed, and we bring the latter in contact with a damp medium (water, sand, earth, sawdust, fibre, etc.). Some of the tissues which have been exposed are not able to form the healing layers of callus; this is always the case with the old wood, often with the pith and the outermost layers of the cortex. The layers which are capable of further division, and are therefore charged with the production of the protective callus, are the cambium, the very young wood cells, and the innermost layers of the cortex. The larger, therefore, the area of exposed wood as compared with the other tissues, the more difficult will be the healing process.

It is therefore essential for the success of propagation by means of cuttings to bring about a sufficient and natural closing up of the cut end of the shoot.

This closing takes place by two processes. In the older soft tissues (pith and old cortex), there will be formed above the wounded cells transverse layers of cork cells which protect the cutting against excessive moisture. The woody elements adjoining the damaged wood cells and vessels may become plugged up with a very resistant brown mass (gum) or with thylloses, which have the same effect in closing the apertures of these cells and vessels. The second process is the covering in of the cut by the formation of callus.

Both processes take place (with very few exceptions) more completely when the cut surface is richly supplied with air. Care must therefore be taken that the medium in which the cutting is placed is very thoroughly aerated.

When the closing of the wound begins, cells of the cambium, of the young layers of the wood and of the bast begin to absorb more water and to bulge out over the cut surface

When the delicate extended portion of the growing cell has attained a certain length, a transverse wall is formed behind the apex, and the latter grows on farther. As the cells, which bulge out in this manner and divide, are very closely set, long rows of cells will soon be formed which go on growing to the end, and being firmly packed together, form a delicate white tissue. As long as this soft tissue continues to grow at one end, and thus increases its bulk, it is termed callus.

But after a while the plastic substances which are being passed down from the cutting to the callus find the path through all the callus cells to the extremity too long to traverse. The diffusion of the food matter does not take place sufficiently actively to the margin of the callus, and the growth ceases at that region. Instead of that within the callus an arched strip of tissue makes its appearance, and its cells continue to increase in number. This strip of meristem becomes confluent with the cambium of the cutting and represents the continuation of the cambium within the layer of callus. Within the latter it now continues to form bast cells on the outside and on its inside new wood elements, and this forms the actual covering layer. The covering layers at the lower end of the callus do not differ in any essential manner from those formed in the healing of a pruned branch, except that no green coloring matter is formed, owing to the absence of sunlight.

* * *

In the case of shrubs with deciduous leaves the best time for taking cuttings of woody portions is the beginning of winter, or, in the case of shoots which will not be damaged by the frost, the latter part of the winter immediately before the active growth of the spring takes place. Strong slips cut back to three or four eyes should be bound up in bundles and placed in a cellar, or only temporarily covered with soil, and when the spring approaches be planted in rows in a north aspect, with only about two eyes projecting from the soil. In this way old wood which has been pruned away in the early spring may be used for cuttings. This at least answers in the case of Rosa, Weigelia, Cornus, Deutzia, Lonicera, Ribes, Spiraea, etc.

The callus formation in the case of herbaceous cuttings is somewhat different. Generally more tissues take part in the healing process. It is here especially the pith which forms the bulk of the callus; the older cortical tissues may, however, be very active. Even the vessels of the wood may take part in this formation of callus (*Begonia*, *Thunbergia*), as the cavities of the vessels may become blocked with thyllosis, which may grow out over the cut surface.

Propagation by means of such herbaceous cuttings is the most advantageous means of propagating plants, and this is true of woody plants too, only the treatment of the cuttings is quite

a different one. We must always remember that when the tip of a shoot is used as a cutting, its callus and adventitious roots are not formed from reserve food matter which has been stored in its tissues at some previous period, but that the materials necessary for these growths have to be formed by the cutting after separation from the parent plant. As soon as a portion of a plant is dependent for its food upon its leaves, we know that it needs light. Herbaceous cuttings therefore need light, and comparatively much light, while woody cuttings can do with very little light, at the outset at least.

The herbaceous cutting is taken before its axis is much lignified. The cut surface exposes tissues which have as yet no thickened cell-walls. The cells are rich in protoplasm and cell sap, are more prone to changes and decomposition, and require, therefore, an increased stimulus to continue the vegetative process in spite of the wound which has been inflicted. This stimulus is provided by the increase of temperature. Herbaceous cuttings require, therefore, more heat than cuttings of the same species taken from older portions of the plant. In some cases, indeed, the temperature requisite for herbaceous cuttings is harmful for the woody cuttings, because it calls forth certain changes (possibly of a fermentative nature), the products of which cannot be used up at the time, and therefore cause decay.

We must remember, on the other hand, that the wound itself cannot be healed at once, and that the soft cuttings lose considerable amounts of water from their leaf surface by transpiration, and this at the time they are without roots which could supply the requisite amount of water. We must, therefore, reduce in the first instance the transpiration without taking away the leaves. This can be done either by shading the cuttings or by keeping the air saturated with moisture. Every decrease of the amount of light diminishes also the amount of transpiration. In a damp or saturated atmosphere, too, the transpiration of the leaves is reduced.

Herbaceous cuttings require, therefore, at the outset a moist atmosphere. We purposely say at the outset, because it is a frequent source of error to continue this for too long a time. Absence of light and a large amount of atmospheric moisture reduces the assimilation of the leaves also to a minimum, and therefore decay often sets in on the cut surface and the cuttings are doomed. Herbaceous cuttings should, therefore, only be shaded during the first few days and should very soon become accustomed to the normal illumination. After that allow the air to circulate among the leaves, and do not be afraid of the drooping of the leaves when the sun is shining on the cuttings. Gradually the cuttings will get accustomed to a more sunny and drier

atmosphere, even if they have as yet no roots.

The great mistake in the treatment of herbaceous cuttings is to water them too much and to keep them too much closed in, in order to prevent them drooping. Even the most porous substance in which the cuttings are placed will act deleteriously if it becomes water-logged. The oxygen of the air is then prevented from reaching the delicate cut surface, fermentative changes commence in the cells, and the decay of the cut surface begins.

Herbaceous cuttings always require a well-aerated soil.

The art of the cultivator consists in executing these precepts in the way most suited to the individuality of the cuttings.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

520-535 Caxton Building, Chicago,
334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/4 page, \$13.50; full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.
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BOSTON.

The Market.

Business, this week, has been very satisfactory, and good stock has been well cleaned up every day. Roses have again been a leader, and the range of prices are about the same as last week. Brides and Maids, run all the way from 50c to \$2.00 per dozen; Meteors, \$1.00 to \$1.50; Beauties of fair quality to extras, from \$1.00 to \$8.00.

Carnations, of good quality, have sold well all the week, but there are large quantities of inferior grades which rather control the prices. Scotts and whites are held at from \$1.50 to \$2.00 per 100. Daybreaks bring a trifle more, some of the better grades of flowers, running as high as \$3.00 per 100, with strictly fancy varieties going from that to \$6.00 per 100. Violets have been the drag this week, 35 and 50 cents per 100 being an average figure.

Harrisii lilies are not so plentiful, \$2.00 is the asking price; callas, \$1.50 per dozen; bulb goods about the same as our last quotations, with plenty of odds and ends which sell well.

The Saturday Exhibition.

Owing to the exhibition, which was partly devoted to carnations, quite a

number of our prominent commercial growers, were represented, while the private gardeners attended to exhibiting of Orchids. Mr. N. F. Comley of Lexington, had some nicely grown violets, of the Luzonne and California single type. W. E. Coburn had two fine dishes of cut florets of *Primula sinensis* showing a great range of color. W. A. Patten of Tewkesbury, Mrs. E. M. Gill, of Medford, Wm. Nicholson of Framingham, and S. J. Goddard of Framingham, made some fine exhibits of well grown specimens of carnations.

Of new varieties, Joseph Towell of Paterson, N. J., had a vase of Gov. Griggs, which is of a color similar to Daybreak. J. N. May of Summit, N. J., sent on some nice blooms of the delicate pink "Melba," and some immense flowers of Olympia, red and white, variegated, a splendid carnation. E. A. & W. K. Wood exhibited a promising white one, called Priscilla, a seedling from Daybreak.

J. E. Rothwell, Mrs. John L. Gardner and the Botanic Gardens of Cambridge, made fine exhibits of seasonable orchids, and H. A. Wheeler and James Comley showed quite a variety of our old friend—*Camellia Japonica*. C. H. Souther had a nice lot of *freessias* and *Begonia incarnata* improved.

The News.

Among the growers who are thinking of accompanying President Nicholson to Philadelphia, are Peter Fisher of Ellis, with blooms of Mrs. Thomas W. Lawson; W. A. Patten of Tewkesbury, Thomas Roland, John Pritchard, William Spillsbury, J. Sims, and W. Ward.

The event of the week has been the suit brought by Messrs. Galvin and Lawson, against Wax Brothers, who have been advertising a "Lawton," carnation. The court ordered them to desist, and instructed them not to sell any carnation of that, or any name similar to The Lawson.

The great social event has been the annual ball of the Mayapia Hunt Club, and Townbly was the decorator, transferring the large Paul Revere Hall into a tropical garden, and receiving many compliments for his excellent taste.

The Boston Gardeners' and Florists' Club have a meeting at Horticultural Hall on Tuesday evening, February 7. Prof. Wm. P. Brooks of the Mass. Agricultural College will deliver an address on What Plants Feed upon and How to Feed Them, and Mr. Wm. Nicholson will talk on the coming convention of the American Carnation Society.

Messrs. C. H. Allen of Floral Park, N. Y., and Mr. Henshaw, representing Mr. John N. May of Summit, N. J., have been visitors this week.

Mr. Thomas F. Galvin made a flying trip to New York in quest of American Beauty roses, stock here being limited.

W. F. Murphy is back at his post at N. F. McCarthy's and flower sellers are congratulating him upon his recovery from La Grippe. P.

NEW YORK.

The Market.

New York is getting her full share of frost and snow this winter, and of course as a rule the poor florist gets more than his deserved portion. There would at least be some consolation and incidentally a partial recompense for sleepless nights, tending fires, if the market was anything but slow. This week there has been a very considerable drop in prices, and the outlook with Lent so near is not very pleasant. Of course, there is an abundance of everything when the demand is unsteady, and especially so is it now when all kinds of bulbous stock is crowding on the benches. *Harrisiis* continue to be poor in quality and bring from \$10 to \$12. *Daffodils* are fairly good and very plentiful and sell from \$2 to \$3. *Golden Spur narcissus* are extra fine and bring \$3 to \$4; *Poeticus*, \$3; *Paper Whites*, \$1 to \$2; *Romans*, \$1; *tulips*, which are so far poor, \$1 to \$2; *valley*, \$1 to \$2, and in every Greek's hand, "10 cents a bunch." *Freessia*, 10 to 20 cents per bunch; *lilac*, 75 cents; *mignonette*, \$4 to \$15; *violets*, 25 to 75 cents; *carnations*, ordinary, 50 cents to \$1; *specials* (not, of course, including The Boston Peach), \$2 to \$4, *smilax*, \$12; *asparagus*, three for \$1; *cattleyas*, \$25 to \$40; *oncidiums*, \$3 to \$5; *Cyps*, \$6 to \$8; *forsythia*, \$2 per bunch; *Japan quince*, \$3 to \$5 per bunch; *flowering almond*, \$3; *Beauties*, any price up to \$50; *Maids*, \$2 to \$10; *Brides*, ditto; *Meteors*, \$4 to \$12; *Cusins*, \$3; *Perles*, \$3, and so on down the list. If one buys in quantity, and especially for cash, prices are the buyer's own. *Cusins* are being used more, and it looks as if this grand little rose will be popular again. It is surprising how *Perles* have dropped out of favor; they are very seldom seen in what are called "high-toned stores."

Flowering Plants.

Flowering plants are plentiful and good. *Azaleas* this year seem very good and sell from \$1 to \$4. *White lilac* in pots are pretty and go at \$1.50. Some splendid *cyclamen* can be got for 50 to 75 cents; *primroses*, \$1.50 to \$2 per dozen, and all kinds of bulb stock can be had in boxes or pans as cheap as cut flowers. *Epacris* are on hand for the first time; \$3 per dozen for 3½-inch pots. Favorite plants for window use just now are *orchids* growing on wood or in baskets, and whether it be *dendrobium*, *oncidium* or *cattleya*, they excite the most interest of all flowers and don't cost much. *Adiantum Farleyense* is scarce; 5-inch stock brings \$1 each; more of it has been used this year than ever, and those who had large batches of it in the early season made the mistake of rushing it off too quickly. *A. cuneatum* is not over plentiful

and small ferns seem to have been awfully pushed.

Bowling.

But let's get away to the bowling alleys, where every man, be he blonde, brunette, or grey, straight or bent, is a boy again, and casts away dull cares with every whizzing ball and bawl. Cynics there are 'mong us, to be sure, who hasten to puncture the idiosyncrasies of human nature; but pshaw! the athlete—the jolly athlete—and the philosopher only have room at the alleys; the athlete to smash the pins, the philosopher to reason out the antics of men's arms and legs.

It was certainly a great night tonight at the New York Alleys, the forthcoming match with the Flatbush champions brought out nigh forgotten faces, and instilled all with the fire of enthusiasm; so much did the occasion work up O'Mara that he in the first game scored 243; this we believe beats the record so far as Florists are concerned, and we wish some of those who intend going to Detroit to make a note of it. Following are the scores of the evening:

O'Mara	243	157	143	163
Lang	147	165	145	184
Hafner	114	117	113	...
Troy	152	103	121	...
Piomb	141	131	...	...
Leuly	152	145	126	141
Burns	112	136	124	103
Traendly	105	143	119	121
Bunyard	123	104	120	145
Stumpp	...	148	141	146
Donlan	...	128	97	141
Butterfield	95	...	...	...

The match between New York and Flatbush will take place at the Alleys, at 57th st. and Sixth ave. at 3 o'clock sharp on Monday, Feb. 13th; there will be ten or more on each side and a great army of coachers. J. H. Troy will offer a prize to be competed for during the games.

Notes.

The New York Gardeners' Society will hold an exhibition of new and standard carnations at their rooms, 64 Madison ave. on Saturday evening, Feb. 11. C. W. Ward offers a prize for the best collection, the society, one for display, and J. I. Donlan one for new carnation not yet in commerce; all competition confined to private gardeners, but the trade will be well represented and carnation cranks should visit the show.

We are pleased to notice Mr. Ward's acceptance of the Boston challenge, and certainly hope for New York's victory.

Florists here in general are surprised at the advertising capabilities of our brothers from the Hub, and regrets are many that the dry goods stores should be the first to get the carnation in New York.

John Keyes, an old time wholesale florist, met a sudden death on Tuesday, Jan. 31. He was without an enemy in the florist business and all regret his untimely end. IVERA.

CHICAGO.

The Market.

Outside of red flowers everything is very scarce. Meteors and the poorer grades of Beauties are about the only things of which there seems to be enough. The demand is still the heaviest for white, but everything goes well except the reds noted. The supply of carnations comes nearer to meeting the demand than that of roses and Brides are the roses most sought for. Prices have not changed appreciably from last week. The shipping trade is heavy and all the dealers are busy. The supply of violets has shortened and the demand is nearly enough to take care of what come in.

Klehm's Novelty tulip is coming in freely now and finds ready sale.

Business has struck a steady gait now and it is believed the season will prove a record breaker.

Club Meeting.

There was another fine display of flowers at the last meeting of the Florists' Club, mainly carnations. Anton Then showed a vase each of White Cloud and Mrs. Bradt. Both were exceedingly well done and the splendid blooms of the White Cloud attracted much attention, especially the fine long stems. C. W. Johnson showed a vase of Cerise Queen, which is certainly a grand thing. The writer felt heir to part of this lot and he can vouch for the excellent keeping qualities of this sort. The blooms lasted four days in good condition in a heated dwelling and retained their fragrance to the end. Jas. Hartshorne displayed a vase of finely grown Bradts and another of the red sport from Bradt. This sport seems to be well fixed by several growers and bids fair to be a decided acquisition. It should be a safe thing to grow anyway for both the sport or Bradt are good sellers and reversion would work no financial loss. Jacob Rusler showed a bunch of excellent Farquhar violets, of large size and fine color. The certificate awarded to him for his new pink carnation, Pink Beauty, was delivered to him at this meeting. Joseph Reeve showed some primula flowers that opened the eyes of many. None were less than two inches in diameter, and the colors were excellent.

Mr. Reeve read his paper on "Bedding and Window Box Plants." He thought there was still a future for plants for bedding and window boxes and that there was a profit in them when rightly handled. While carpet bedding is going out of fashion there is still a good demand for other subjects and an increasing call for the showier kinds of perennials, such as poppies, delphiniums, phloxes, etc., and he believed it would pay most retailers to devote a few lights of a cold frame to seedlings of these plants.

Geraniums seem to be again growing steadily in favor, and promise

to retain a leading place for a long time. Cannas have come well to the front and the low prices must be attributed to the ease with which they can be increased rather than any falling off in demand. Pansies continue to grow in popularity. His best selling vine for porches is Cobaea scandens and he believes that Asparagus Sprengeri will be very popular for hanging baskets. He finds it pays to invest in a few new geraniums each year as they attract the attention of critical customers.

As a pot rose he placed Crimson Rambler first and as bedders included the improved varieties of Wichuriana, Hermosa and Soupert.

The call for window boxes increases annually and the most difficult thing to contend with is the desire of most customers to have every color in creation crammed into one box, without consideration of aspect or any other local feature. He attempted to suggest, but when a customer was persistent gave them what they wanted, though dissatisfaction was sure to result before the season was over.

Before the discussion of Mr. Reeve's paper had proceeded very far it turned a sharp angle and bore upon the practice of wholesale florists selling cut flowers and designs at retail, Mr. Edwin Eagle speaking quite strongly on the subject.

Mr. Geo. Stollery having asked to be relieved from his position on the committee on program, owing to illness in his family, Mr. John Reardon was appointed to fill the vacancy. The committee now consists of Messrs. Jos. Reeve, E. F. Winterson and Jno. Reardon.

Mr. P. J. Hauswirth moved the appointment at this early date of a committee to arrange for the trip to the S. A. F. convention next August. The notion was carried and President Sanders will announce the committee at the next meeting.

Various Items.

Daisy Reissig, daughter of Mrs. Charles Reissig, died last week at the family residence in Riverside, aged 16 years. She was a daughter of the late Charles Reissig, at one time a leading florist of this city.

F. C. Mendonza will soon move to 43d street and Grand boulevard, where he will have a fine new store. Adjoining the store and facing the boulevard he is now having erected a conservatory, 25x40, and two greenhouses, each 12½x50, for carrying his stock of decorative and flowering plants.

Mr. L. Becker has a pink sport from Armazindy carnation that is almost exactly the same shade of color as Scott.

Charles Held is quite ill with a complication of throat and lung trouble.

Mr. and Mrs. W. H. Ellis, of Milwaukee, returned home last Tuesday after several days' stay in this city. Mrs. Ellis was Miss Millicent M. Fellows until last Thursday. Mr. Ellis re-

ceived a round of congratulations from his many friends here.

Joseph Reinle, of Blue Island, died recently of consumption. The business will be continued by his widow.

Klehm's Novelty tulip is coming in freely now and finds ready sale.

Business has struck a steady gait now and it is believed that the season will prove a record breaker.

Bowling.

Following are the scores and averages made at the alleys last Friday evening:

	1st.	2nd.	Av.
E. F. Winterson.....	163	143	153
G. L. Grant.....	152	133	142
P. J. Hauswirth.....	129	149	139
C. W. McKellar.....	136	131	133
A. McAdams.....	132	...	132
J. S. Wilson.....	111	139	125
C. S. Stewart.....	124	...	124
A. Lange.....	120	118	119
J. Hartshorne.....	101	131	116
Anton Then.....	100	...	100
A. L. Vaughan.....	77	...	77
Jos. Reeve.....	73	...	73
C. W. Johnson.....	66	...	66

ST. LOUIS.

The Market.

Trade of late has been fairly good, but at no particular time was there any rush for stock. The weather since last Monday has been very cold and reached the zero mark several times. A great lot of stuff arrived frozen, which, of course, is a total loss to the grower. The month of January has been good, especially the latter part. A few large society events necessitated several of the West End florists placing some of their orders out of town, mostly for first class Beauties, which seem to have the call just now.

Meteors are very dark in color, the very best of them selling at \$10, down to \$5. Bridesmaid and Bride are good at \$6 and \$8; Perles \$4, Woottons \$3 and \$4; Carnots very scarce.

Carnations were more plentiful the past week, not that any are going to waste. Ordinary varieties bring \$1.50 and \$2, while fancy are \$3 and \$4. Scott, Daybreak and any kind of white sell best.

Harrisii and callas are selling well, at \$10 and \$15; Roma's \$2 and \$4; freesia, \$1.50 to \$2; daffodils slow at \$3; Paper Whites \$3; valley not so good with plenty to be had at \$2, best \$3 and \$4; white tulips sold well the past week; colored ones slow with short stems.

Violets are good and plenty; cannot be quoted, as any price will buy them just now. A few sweet peas are now coming in and bring \$3.

Notes.

Mr. E. W. Guy of Belleville, Ills., was a caller this week and made the rounds among the trade.

George L. Dean (brother-in-law of E. W. Guy) and wife will leave this week for their home, Cincinnati. Mr. Dean has taken a position with Peterson at that place. Mr. and Mrs. Dean

have the best wishes of their many Belleville and St. Louis friends.

The many friends of Gus Grossart, the well-known Belleville florist, will be surprised to learn that he has associated with himself a partner, a young fellow who is destined to have a voice in the direction of the affairs of state in time. Mr. Grossart's new associate is young, hearty and vigorous, of fine presence and possesses a magnificent voice. Mr. Grossart was introduced to him for the first time last Thursday morning. The young fellow is only a few days old, weighs 12 pounds and is said to be the image of his father and mother. Mr. Grossart spent all day Thursday in describing to friends the superlative qualities of the youngster.

Dr. Halstedt, ex-president of the St. Louis Florist club, is seen very seldom nowadays, owing to his large practice in his dental establishment.

Wm. Trillow, Adolph Fehr, Henry Emundt and M. Semmler are well satisfied with business since the first of the year and are keeping close watch over their houses these cold winter days.

Bowling.

The Bowling Club had nine members rolling Monday night and some fine scores were made. Charlie Kuehn was in fine form and made an average in four games of 183. Charlie is now crowding Beyer and Finlayson for the Review prize. The member making the highest average during the February series will get a fine pocket knife. He must take part in all the games played during this month to get an average, as under these conditions the knife was given. Following are the scores made Monday night:

	1.	2.	3.	4.	Tot.	Av.
C. A. Kuehn.....	210	173	139	212	627	183
J. J. Beneke.....	144	155	168	166	633	158
Finlayson	146	165	161	155	627	157
C. C. Sanders.....	150	126	159	...	435	145
John Young	127	148	153	...	428	142
J. Kunz	128	159	141	124	552	138
C. Beyer	145	129	145	117	536	134
F. C. Weber.....	120	120	126	147	513	128
F. J. Fillmore.....	158	95	153	99	505	126
J. J. B.						

PHILADELPHIA.

The Market.

Business in both plants and cut flowers was very good during the fore part of the week, owing to the fact that dinners, parties and balls were quite numerous. Roses have held their own in price; Brides and Bridesmaids sold very readily at \$10 and \$12; medium sized Beauties are still very scarce. Prices on carnations ranged from \$1.50 to \$4 per 100, according to variety. Samuel Pennock got in some very fine Swanley White violets, some of them so large as to cover a half dollar; we believe them to be the largest ever produced in this city; we understand they sell on sight at \$1 per 100. Good Marie Louise and Lady

Campbell sold at the same price, with single selling at 75 cents per 100. Mignonette sold for \$4 and \$5 per 100, Freesias at from \$3 to \$4.

There are some fine tulips coming in and they sell very quickly at \$4 and \$5. Some very fine Von Slons found ready sale at \$6 per 100. Romans were quite plenty at \$3 and \$4. Lily of the valley was also very plentiful, selling at \$4.

Notes.

J. J. Habermehl & Sons report the past week as being an exceptionally good one for decorations, they having the decorating for four large events, which required all the decorative stock they had on hand.

M. W. Woodroffe has succeeded to the business of W. C. Smith, the wholesale florist.

Preparations are completed for the



The late Harry Prince.

reception of the delegates to the convention of the American Carnation Society next week. The meeting promises to be largely attended and the exhibition unusually fine. R.

OBITUARY.

Harry Prince.

Harry Prince, on January 30th, 1899, in the 29th year of his age, after a short illness of typhoid fever.

Mr. Prince was born in Uxbridge, Essex county, England, coming to this country when quite young, but not before he had laid a solid foundation for his future life work with Mr. James Taplin, seedsman, of his native city. Shortly after landing in Philadelphia he connected himself with the house of Henry A. Dreer, and by close attention to business and by unremitting efforts he gradually advanced his position until he was admitted in 1896 as a stockholder.

His loss will be much regretted by the firm and its employees, not only on account of his value as one of their staff, but on account of his genial and pleasant manner to all with whom he was associated.

He leaves a widow and one little girl besides his parents and two brothers to whom the sympathy of scores of his friends will go out.

PITTSBURG.

Trade Notes.

Business in the past month has been beyond the average. The demand for funeral work has been unusually large which to some extent caused a scarcity in some varieties of flowers. The wholesale cut flower market has been very satisfactory also, and often the supply did not meet the demand; this is caused by some of the growers being off crop with roses and carnations. A limited supply of extras in Brides and Bridesmaids are being received, selling at \$10 to \$12 a hundred; the lower grades that bring \$4, \$6 and \$8, are more plentiful. The general average stock of carnations sell at \$1.50 per hundred, some extras at \$2 to \$4.

Bulbous stock is not plentiful. Tulips bring \$2 to \$3. Paper White narcissus and Romans are selling at \$2 to \$4. Daffodils and Jonquils are being received in limited number. Lilies average \$15 to \$20 per 100, supply fair. Freesias find ready sale at \$3 per 100, some extra fine at \$4. Asparagus in bunches and smilax are short; enough cannot be obtained.

During the past week the mercury has been hovering below the zero point. At one place near here 14 degrees below zero was registered.

It is rumored that one large grower has suffered severely from the unusual cold spell. This rumor has not yet been verified.

Club Meeting.

The Pittsburg and Allegheny Florists' and Gardiners' Club held its meeting Thursday, February 2nd, and elected the following officers for the ensuing year: E. C. Reineman, Pres.; E. C. Ludwig, Vice-Pres.; James Semple, Treas.; T. P. Langhans, Secy; Geo. Oesterle, Asst. Secy; Fred. Burki, John Bader, P. S. Randolph, Executive Committee. The club is now completely reorganized, and there are 53 members in good standing. The executive committee was empowered to make arrangements for the annual banquet to be held some time in the near future. The members look forward to this affair with pleasant anticipation.

J. W. Ludwig and Wm. Lauch are forming a bowling team that will go into training with bright visions of the first prize at Detroit to fill their imaginations.

Pittsburg will be represented at the Carnation convention. Fred Burki, E. C. Ludwig and wife will go, others will probably join them.

T. P. LANGHANS.

THE NEW FANCY CARNATION ...Sandusky



One-Half Natural Size.

I have been selling the flowers of this fine new Variegated Carnation, and have found it one of the best selling Carnations I ever had; in fact, it sells itself. My customers say **it's a dandy**, and something they have been looking for. Among the Chicago retailers to whom I have sold blooms of Sandusky are H. F. Halle, Klunder Floral Co., F. C. Mendonza, Central Floral Co., Jno. Mangel, A. McAdams. They all say it is a fine seller, and come back for more. Mr. Hall has asked me to act as his Chicago agent for the sale of rooted cuttings of this novelty, which I gladly do as I can heartily recommend the variety to any one desiring a good, fancy carnation. **It's a peach.**

ROOTED CUTTINGS

\$2.00 per doz., \$10.00 per 100, \$75.00 per 1000.

W. E. LYNCH, 19-21 Randolph St. Chicago.

Mention The Review when you write.

Clear Cypress Greenhouse Material.

This *with us* means the best growth of Cypress Lumber and the best grade of that growth; and from this grade all the sap—bright sap, which only experts can detect—as well as stained sap, knots and other defects cut out. Others do not equal our quality if they do beat our prices. It is not hard to see the reason: You can not buy gold dollars at fifty cents each. Experienced growers know that the best is not too good and cheapest in the long run.

Write for Circulars
or Estimates.

**Lockland Lumber Co.,
LOCKLAND, O.**

Mention The Review when you write.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

FOR SALE—Steam Pump for sale at a bargain. One of the best ever used. Knowles manufacture, almost new; pumps hot and cold water. Brass fittings and cylinders, all complete for \$30.00, cost \$75.00. F. O. B. Cash with order. Address Waverly Greenhouses, Tuckahoe, New York.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

SITUATION WANTED—By florist and decorator, speaks German and French. New in this country. Address Fred. Buehler, 102 Sherman St., Chicago.

SITUATION WANTED—A florist and decorator of unquestionable ability, desires situation in large city. Is employed at present but has good reasons for desiring to make a change; best of references. Address 19, care Florists' Review.

WANTED—At once, single man, willing to do anything on wholesale place; must be strictly business; \$30 and board per month. If you mean business write the Morris Floral Co., Morris, Ill.

FOR SALE—Greenhouse, about 3000 ft. of glass; 8-room house, about 13 miles from Chicago, 4 blocks from either depot; 5c fare, one block from electric line; opposite university; near three cemeteries; good local and large pot plant trade; will sell equity cheap; have other business. Address 20 care Florists' Review.

FOR SALE—Only greenhouses and market garden in good central Illinois city of 8000, located on five trunk R. R. between Chicago and St. Louis; 46 passenger trains daily; 5-room dwelling with cellar; 2 acres of ground; greenhouses and dwelling heated by water; coal 1 cent per bushel; city water \$15 per year; 100 hot bed sash. Address Felix, care Florists' Review.

FOR RENT at once or the first of March, a Floral establishment in the thriving city of Elgin, Illinois. Located in the best residence part of the city. 10,000 ft. of glass. Owner is prevented by sickness from running the establishment. Call or address H. Schlaack, 311 Spring Street, Elgin, Ill.

A BARGAIN—If you want to purchase a large, first class greenhouse establishment, as good as new, modern improvements and well stocked, must be sold on account of outside business, write Sacrifice, care of Florists' Review.

SITUATION WANTED—After March 1st, by a grower of roses, carnations, violets, mums, general stock, etc. 17 years' experience in all branches of floriculture. Address W., care of Florists' Review.

FOR SALE

Only 20 miles from St. Louis, the best cut flower market in the United States, and in city of about 10,000 people, with no opposition, good retail trade, cleared 25 per cent on price asked for greenhouses, which are new and modern in construction.

This is undoubtedly one of the best ever offered for sale. Write at once, if you mean business, for a general description. Address J. B., care of Florists' Review.



51 Wabash Ave. CHICAGO.

W. S. HEFFRON, Mgr.

Price List taking effect Thursday, Feb. 9.

ROSES.

Am. Beauties, long, per doz.	\$1.00—\$6.00
medium, per doz.	2.00—4.00
short, per doz.	1.00—1.50
Meteors, Maids, Brides and Kaiserin, per 100,	6.00—10.00
Perles, per 100,	4.00—6.00
Roses, seconds, average, per 100,	4.00—

CARNATIONS

Are Our Specialty. Per 100

Fancy varieties, fancily grown	\$3.00—
Ordinary varieties, fancily grown	2.00—
Ordinary varieties, average stock	1.50—

Miscellaneous.

Alyssum, per 100,	\$.50
Freesia (strictly fancy), per 100,	3.00—
Marguerites, per 100,	.75—
Mignonette, per 100,	3.00—
Forget-me-not (scarce), per 100,	2.00—
Callas, per doz.,	1.50—2.00
Harrisii, per doz.,	1.50—2.00
Romans, per 100,	2.00—3.00
Narcissus, per 100,	3.00—
Tulips, per 100,	2.00—4.00
Valley, per 100,	4.00—
Violets, per 100,	.75—1.00

Decorative.

ASPARAGUS.

Per string	\$.50— .75
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FERNS.

Per 100, 25c	per 1,000, \$2.50
Maiden Hair, per 100,	\$1.00—

GALAX.

Bronze and Green, per 100, 15c	per 1,000, \$1.00
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SMILAX.

Common, very fine, per doz.,	\$1.50
Wild, Parlor Brand case	3.75
Medium case	5.50
Large case	8.00

All other flowers in season at lowest market rates.

Above quotations are subject to change without notice. P. and D. at cost.

Extra select and inferior qualities charged for according to value.

Store open from 7:00 A. M., until 6:30 P. M. Sundays and Holidays closed at noon.

ALL WHITE STOCK SCARCE.

Mention The Review when you write.

A BARGAIN!

A good chance for the right man.

Retail Floral Store on one of our side business streets for sale at a bargain. Don't write unless you mean business.

WM. F. KASTING,

495 Washington St. BUFFALO, N. Y.

Mention The Review when you write.

FOR RENT OR SALE—First class retail stand. 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$200.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

Dreer's Reliable Flower Seeds

A FEW OF THE MANY SELECT STOCKS OF FLOWER SEEDS
FOR FLORISTS' USE WHICH SHOULD BE SOWN NOW.



DREER'S DOUBLE PETUNIAS.

	Trade Pkt.	Oz.		Trade Pkt.	Oz.
Ageratum Cope's Pet, dwf. deep blue..	\$0.15	\$0.40	Lobelia Crystal Palace compacta true	.40	2.00
Alyssum Little Gem, very dwarf.....	.10	.25	" Speciosa, dark blue trailing...	.20	.75
Asparagus Sprengerii.....	\$1.00 per 100 seeds, \$9.00 per 1000.		" gracilis, light "	.15	.40
Asparagus plumosus nanus... \$1.25 per 100 seeds, \$10.00 per 1000.			Maurandia Barclayana, purple.....	.25	1.00
Aster Queen of the Market, white or purple.....	.20	.75	" mixed sorts.....	.25	1.00
Aster Queen of the Market, mixed.....	.15	.50	Mignonette, Allen's Defiance.....	.25	1.00
" Paeony Perfection, finest mixed, "	.30	1.25	" Machet, select stock.....	.15	.50
" Victoria, finest mixed.....	.30	1.25	Nasturtiums, full line of both tall and Tom Thumb sorts, see catalogue for prices.		
" Semple's Branching, white, pink, lavender or crimson.....	.30	1.50	Petunia Dreer's Superb Single Fringed Double 75c per 500 seeds.	.50	
" Semple's finest mixed.....	.30	1.25	Phlox Drum. grandiflora, mixed.....	.15	.50
Balsam Double White Perfection.....	.25	1.00	" nana compacta.....	.30	1.50
Begonia Vernon.....	.25		Primula obconica grandiflora.....	.50	
Carnation Marguerite, white, scarlet or rose.....	.50	2.50	" Forbesi (Baby Primrose).....	.50	
Carnation Marguerite, choicest mixed.	.25	1.00	Pyrethrum aureum (Golden Feather)..	.10	.30
Centaurea Candidissima, 1000 seeds, 25c.			Salvia splendens (Scarlet Sage).....	.30	1.25
" Gymnocarpa, " 15c.			" Bonfire.....	.50	2.50
Clematis Paniculata.....	.20	.60	Smilax, \$3.50 per lb.....	.15	.35
Cobea Scandens.....	.10	.30	Stocks, large fig. 10-week, white, blood red or pink.....	.50	2.50
Dracaena indivisa.....	.15	.40	Stocks, large fig., finest mixed.....	.40	2.00
Grevillea Robusta.....	.15	.40	Sweet Peas, all the finest sorts, for prices see catalogue.		
Helianthus cucumerfolius Stella.....	.10	.25	Torenia Fournieri.....	.80	3.00
Heliotrope, finest mixed.....	.20	.75	Verbenas, Mammoth white, scarlet, pink, purple or striped.....	.40	2.00
Humulus japonicus variegatus.....	.15	.40	Verbenas, Mammoth, finest mixed.....	.30	1.50
Impatiens Sultana.....	.50		Vinca rosea, rosea alba or alba pura...	.20	.60
Ipomoea Grandiflora (Moon flower)...	.15	.50	" mixed.....	.15	.50
" Imperial Japanese, finest mixed	.10	.30			
Lantana hybrida, finest mixed.....	.10	.20			

If you do not have our Wholesale Price List, send for it.

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.
Mention The Review when you write.

DENNISON BROS. SAY:

South Side Floral Co. Gentlemen:—We received the Verbena cuttings and must say that they are the finest we have ever seen offered to the trade. We would certainly have favored you with all our orders this year had we known of the superior stock you were offering. Enclosed please find order for Double Fringed Petunias. Thanking you very much, we are, Yours truly,

DENNISON BROS., Bala, Pa.

VERBENAS—New Mammoth. Strong rooted cuttings, 60c per 100, \$1.00 per 1000; 5000, \$22.50.

PETUNIAS—Dreer's latest Double Fringed. Strong rooted cutting, \$1 per hundred.

SMILAX—Strong bushy seedlings, ready for thumb pots, 50c per hundred, \$4.00 per thousand.

Express prepaid. Cash with order. Send for descriptive circular of Verbenas.

SOUTH SIDE FLORAL CO., . . . Springfield, Ill.

Mention The Review when you write.



**PALMS
AND
FERNS**

The Largest Stock of
Plants in the West.

Geo. Wittbold, 1708 N. Halsted St. Chicago

Mention The Review when you write.

SUBSCRIBERS...

Will confer a favor by sending us a correct list of the names and addresses of the florists in their city or town.

Florists' Publishing Co.,
520-535 Caxton Bldg., CHICAGO.

Always Mention the....

Florists' Review

When Writing Advertisers.

NEPHROLEPIS CORDATA COMPACTA.

Foliage a very deep green, growth strong and robust, making an ideal pot plant. It sells better than the Boston Fern and will stand more rough usage.

The Grandest of all Sword Ferns.

WE OFFER very fine stock at the following prices:

2½-inch pots, \$.75 per dozen; \$6.00 per hundred.
3-inch pots, 1.25 " 7.50 "
4-inch pots, 2.00 " 15.00 "

Terms: Cash with order.

Address **H. W. BUCKBEE, Rockford, Ill.**

Lock Box 911.

FOREST CITY GREENHOUSES.

Mention The Review when you write.

Palms and Ferns...

WE HAVE A LARGE STOCK IN FINE CONDITION.
We guarantee safe arrival if shipped by Express.

CORRESPONDENCE SOLICITED.

Ellis & Pollworth, - Milwaukee, Wis.

Mention The Review when you write.

F. & F. NURSERIES, SPRINGFIELD, NEW JERSEY

Wholesale Growers TREES and PLANTS in Full Assortment.TRADE CATALOGUE FREE.

Mention The Review when you write.

FIGHTING THE FROST.

The temperature in one or more of your houses may be below 36 degrees and still falling. Something must be done and done quickly.

Take the hot coals and ashes from under your grates, put them in any old tin or iron vessels holding a peck or more each, place in the coldest part of your house, cover with a wet gunnysack, then pour on a quart or more of water and a great steam at once arises which soon causes all the cracks or openings in the glass to fill with ice and the temperature goes up several degrees. Then fill your house with tobacco smoke. Repeat one or both operations as often as necessary. R.

BLOWS THEM OFF.

I clean mealy bugs off of plants with a foot bicycle air pump, and it works first class. I clamp the pump to the potting bench and with it readily blow the insects off. It is much quicker than working with a brush and does not injure the most delicate plant. PAUL STARK.

Liberty, Mo.

MILWAUKEE.

Mr. W. H. Ellis, of Ellis & Pollworth, was married Thursday, Feb. 2, the bride being Miss Millicent M. Fellows. Congratulations are in order.

NEW CASTLE, IND.—There has been a change in the South Park Floral Co. Messrs. Myer and Herbert Heller have purchased the interest of Mr. Geo. W. Scott, who retires.

WARREN, O.—Geo. W. Gaskill has been on the sick list all winter, but is now himself again.

F. F. BENTHEY, MANAGER.

BENTHEY & CO.,
Wholesale and Commission
FLORISTS,
41 Randolph Street, CHICAGO.

Consignments solicited.

Mention Florists' Review when you write.

Cincinnati
Cut Flower Co.
416 Walnut St.
CINCINNATI, O. Wholesale Florists

W. A. MANN.
FRANK W. BALL

Consignments Solicited.
Special Attention Given to Shipping Orders.
Mention The Review when you write.

Max Randall

WHOLESALE FLORIST,
11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.
Mention The Review when you write.

REINBERG BROS.

Wholesale
Growers of

Cut Flowers

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.

51 Wabash Ave., CHICAGO

Mention The Review when you write.

Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of
and Dealers in **CUT FLOWERS**

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.

Lynch
WHOLESALE FLORIST.
19-21
E. RANDOLPH ST.
CHICAGO

Our prices are as low as any
and our stock superior.
We ask for a trial order.

Mention The Review when you write.

A. L. RANDALL
Telephone 1496
Wholesale Florist
4 Washington St., Chicago.

In our new and enlarged quarters we are better prepared than ever to handle your orders.
Mention The Review when you write.

WHOLESALE
GROWER OF ROSES. DEALER IN
CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.
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HOLTON & HUNKEL CO.

Wholesale Florists
And Florists' Supplies.
Phone 874. WIRE DESIGNS—OUR OWN MAKE
457 Milwaukee St.
P. O. Box, 103. Milwaukee, Wis.
Mention The Review when you write.

800,000
FEET
OF
GLASS.

Wholesale Price List.

AMERICAN BEAUTY		
Extra long stem..	per doz.	\$5.00
24-inch stem.....	"	3.50
20 " " " " " "	"	2.50
15 " " " " " "	"	2.00
12 " " " " " "	"	1.25
8 " " " " " "	"	1.00
METEOR	per 100,	6.00 to \$8.00
BRIDE	"	6.00 to 8.00
BRIDE	"	7.00 to 10.00
PEARL	"	5.00 to 6.00
CARNATIONS	"	1.50 to 2.00
" " " " " " fancy	"	3.00
Roman Hyacinths ...	"	2.00 to 3.00
Valley	"	4.00
Daffodils	"	3.00

Quotations subject to change without notice.
All other stock at lowest market prices.
No charge for packing.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.
Mention Florists' Review when you write.

ST. LOUIS
Cut Flower Co.
Wholesale Florists,
1322 Pine St.,
ST. LOUIS, MO.
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ELLISON & TESSON,

WHOLESALE SHIPPING

FLORISTS

3134 Olive Street, ST. LOUIS, MO.
...Home Grown Stock...
Mention The Review when you write.

C. W. WORS,
2740 Olive Street, - - ST. LOUIS, MO.

Flowers at Wholesale

ROSES, and a full line.

Headquarters for the Southwest.
Mention The Review when you write.

Maplewood Cut Flower and Plant Co. GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.
Regular shipping orders given special attention. We have the largest plant west of Chicago.
Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.
Mention The Review when you write.

Always Mention the...
Florists' Review
When Writing Advertisers.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES,

88 Wabash Avenue, ^{Rooms} 22 and 23.

Long Distance Telephone
Express 466.

CHICAGO, ILL.

CHOICE FLOWERS AT LOWEST MARKET RATES.

SOLD BY ALL
COMMISSION MEN

Price List.

ROSES.

Am. Beauties, long, per doz.	\$6.00
medium, per doz.	2.00 to \$ 4.00
short	1.00 to 1.50
Per 100	
Meteors, Maids, Brides and Kaiserin,	6.00 to 10.00
Perles	4.00 to 6.00
Roses, seconds	4.00

CARNATIONS ARE OUR SPECIALTY.

Per 100	
Fancy varieties	\$3.00 to \$5.00
Ordinary varieties, select	2.00
Ordinary varieties, good average	1.50

MISCELLANEOUS.

Per 100	
Alyssum	\$0.30 to \$0.40
Freesia	3.00
Marguerites	.75
Mignonette	3.00
Forget-me-not	1.50
Callas	per doz., \$2.00
Harrisii	2.00
Romans	3.00 to 4.00
Narcissus	3.00
Tulips	3.00 to 4.00
Valley	3.00 to 5.00
Violets	.50 to 1.00
Daffs	3.00 to 4.00

DECORATIVE.

ASPARAGUS.

Per string	\$0.50 to \$0.75
------------	------------------

FERNS.

Per 100, 20 cents	per 10' 0, \$2.00
Maiden Hair	per 100, 1.00

GALAX.

Bronze and Green, per 100, 20 cents; per 1000,	\$1.25
--	--------

SMILAX.

Common, very fine strings	per doz., \$1.50
Wild, Parlor Brand, case	3.75
Medium case	5.50
Large case	8.00

All Other Flowers in season at Lowest
Market Rates.

Above quotations subject to change without
notice. P. and D. at cost.

Extra select and inferior qualities charged
for according to value.

Store open from 8:00 A. M. until 6:30 P. M.
Sundays and Holidays closed at noon.

KLEHM'S
NOVELTY

Send in Your Orders Now.



**Evanston
Carnation**

**IS A
BREAD-WINNING
SCARLET....**

ROOTED CUTTINGS....

\$ 7.00 per hundred,
60.00 per thousand.

500 at the thousand rate.

Orders booked now.

KLEHM'S
TULIPS

Send in Your Orders Now.



**We Stake Our
Reputation on**

**Evanston
Carnation**

**It is just what we
claim for it.**

ROOTED CUTTINGS.

\$7.00 per hundred, \$60.00 per thousand.

500 at the thousand rate.

Orders booked now.

E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention The Review when you write.

ST. PAUL.**Trade Conditions.**

Demand has been large and steady and good stock scarce. Weather continues very cold. Violets are the only thing of which there is a surplus. Bulbous stock is moving very well. Harrisii are still scarce. Blooming plants sell well, but delivery during such severe weather is perilous.

We notice quite an inclination to order colored flowers for funeral purposes. This tendency should be encouraged until the public are educated to appreciate flowers of all colors on all occasions. One of the prettiest funeral tokens the writer ever saw was a flat bouquet of six dozen Meteor roses tied with cream ribbon. Another design for the same funeral was a crescent wreath of Wootton roses.

Notes.

L. L. May & Co. have a very promising red sport from the Mrs. Bradt carnation.

R. C. Seeger is cutting some very fine Brides, Maids and Woottons, and is justly entitled to rank among our best growers.

John A. May is handling some very choice stock of roses and carnations, mostly shipped in from Chicago.

The Florists' Club will meet on Saturday evening, Feb. 11th, at the Ryan hotel. The legislative committee have already introduced a bill to stop and prevent institutions supported by the state from selling plants and flowers.

Recent callers: H. C. Agnew, of Agnews, Cal.; Mr. Goodwin, of Chicago, and H. A. Johns, of the Sioux City Nursery & Seed Co.

The bowlers made the following scores at their last meeting in Minneapolis:

	1st.	2nd.	3d.	4th.	5th.	Av.
Nagel	130	129	155	129	145	138
G. Will	125	132	129	158	132	135
Malmquist	142	107	119	130	134	126
Hartman	111	130	140	124	89	119
Wessling	99	124	118	98	134	114
Monson	126	133	90	124	94	113
O. Will	88	111	135	109	114	111
Carlson	122	95	98	93	97	101
Swanson	62	121	95	72	150	100

X. Y. Z.

Always mention the Florists' Review when writing advertisers.

REGULAR SHIPPING ORDERS RECEIVE
SPECIAL ATTENTION.**WOOTTON BROS.****51 Wabash Avenue, Chicago.****Wholesale Price List.****WHOLESALE
GROWERS OF Cut Flowers****We Are Headquarters for...****AMERICAN BEAUTIES,**

of which we cut from 2,000 to 3,000 daily. Our Brides, Meteors, Maids and Perles were never better.

OF CARNATIONS

we grow 50,000 plants of all the leading varieties, and they cannot be surpassed.

Am. Beauty, extra long stem, per doz.	\$5.00
" 24-in. stem	3.50
" 20-in. "	2.50
" 15-in. "	2.00
" 12-in. "	1.25
" 8-in. "	1.00
Meteor	per 100, \$8.00 to 8.00
Bridesmaid	" 6.00 to 8.00
Bride	" 7.00 to 10.00
Perle	" 5.00 to 6.00
Carnations	" 1.50 to 2.00
" fancy	8.00

All other stock at lowest market prices. No charge for packing.

Mention The Review when you write.

M. RICE & CO.NEW ILLUSTRATED CATALOGUE
FOR THE ASKING.Exclusive Importers and
Manufacturers of**Florists' Supplies****25 N. Fourth Street, PHILADELPHIA, PA.**

Mention The Review when you write.

EASTER, 1899, IS COMING!Don't delay any longer
to order your**LILY OF THE VALLEY**, the cream of the market, Berlin pips, large bells, \$12.00 per 1000.**CRIMSON RAMBLER**, extra fine plants, \$25.00 per 100.**TUB. ROOT. BEGONIA HYBRIDA**, in four separate colors, bulbs about 1½ inches diameter, \$2.50 per 100, \$20.00 per 1000.**GLOXINIA HYBRIDA CRASSIFOLIA ERECTA**, \$3.50 per 100, \$30.00 per 1000.**CLEMATIS, RHODODENDRONS, SPIRAEA, PAEONIES**, etc., now on hand.Terms to unknown correspondents,
cash; otherwise, 60 days.**F. W. O. SCHMITZ, Jersey City, N. J.**

Mention The Review when you write.

100,000 VERBENAS,**THE CHOICEST
VARIETIES
IN CULTIVATION....**

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

{ No Rust or Mildew.
Packed Light and
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention The Review when you write.

Chrysanthemums.We are Headquarters for all '99 Novelties.
Also complete list of best commercial varieties.

Our Catalogue Now Ready.

NATHAN SMITH & SON, Adrian, Mich.

Mention The Review when you write.

**INSURE AGAINST
IN THE FIRE****Florists' Mutual****Fire Insurance Ass'n.**ADDRESS **W. J. VESEY, Sec'y,**
FORT WAYNE, IND.**Ornamental Shrubs,****HERBACEOUS PERENNIALS.**A specialty of Iris, Phlox, Paeonies, Pyrethrums,
Poppies, etc. Wholesale List on application.**JACOB W. MANNING,**The Leading ESTABLISHED 1884.
New England Nurseryman. READING, MASS.

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"CONTINENTAL LIMITED."

NEW FAST TRAIN EAST VIA THE WABASH.

Leaves Chicago daily at 12:02 noon; arrives
Detroit 8:20 P. M., Buffalo, 5:00 A. M. New
York 3:30 P. M., Boston, 5:50 P. M.—only
one night on the road. Through sleeper.
Ticket Office, 97 Adams Street, Chicago.

Telephone
Main 4580

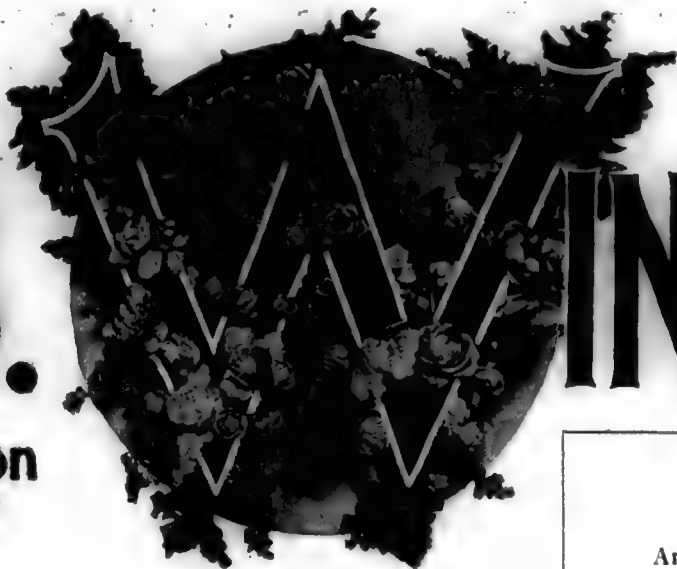
L. P. KELLY, Mgr.

S.B.

Commission
Handler of

HIGH GRADE
CUT FLOWERS

GROWERS OF GOOD STOCK
can secure the best and quickest returns
by consigning to us.



21 Randolph
Street,
CHICAGO.

Price List. Subject to change without notice.

ROSES

American Beauties, long.....	per doz.,	\$4.00—\$6.00
" " medium.....	"	2.00—4.00
" " short.....	"	1.00—1.50
Meteors, Maids, Brides and Kaiserin.....	per 100,	6.00—10.00
Perles.....	"	4.00—6.00
Roses, seconds, average.....	"	4.00—

CARNATIONS

Fancy varieties.....	per 100,	\$3.00—
Ordinary varieties, extra quality.....	"	2.00—
" average stock.....	"	1.50—

MISCELLANEOUS

Alyssum.....	per 100,	\$.50—
Freesia.....	"	3.00—
Callas.....	per doz.,	1.50—\$2.00
Harrisii.....	"	1.50—2.00
Romans.....	per 100,	2.00—3.00
Narcissus.....	"	3.00—
Tulips.....	"	2.00—4.00
Valley.....	"	4.00—
Violets.....	"	.75—1.00

Mention The Review when you write.

ESTABLISHED 1802

THORBURN'S
SEEDS

NOW READY:

SPECIAL PRICE LIST OF
CHOICE FLOWER SEEDS
FOR FLORISTS
FREE ON APPLICATION.

J.M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Mention The Review when you write.

C. SOLTAU & CO.

199 Grant Ave., Jersey City, N. J.

No more PANSY PLANTS for a month.
SEED as usual.

Mention The Florists' Review when
writing advertisers.

SOME THINGS YOU WANT.

RUDEBECKIA, "Golden Glow," 3½-inch pots,
\$4.00 per 100.
ACHILLEA, "The Pearl," 3½-inch pots, \$4.00
per 100.
CORCOPSIS LANCEOLATA, 8½-inch pots,
\$1.00 per 100.
HARDY PHLOX, assorted, 8½-inch pots, \$4.00
per 100.
STATICE ARMERIA, from 3½-inch pots,
\$3.00 per 100.
REX BEGONIAS, from 3½-in. pots, beautiful
plants, at \$4.00 per 100.
JAPAN IRIS, field grown, \$4.00 per 100.

Enough extras added to more than pay ex-
pressage. **Cash, please.**

EDWARD B. JACKSON, Stamford, Conn.

Mention The Review when you write.

ANTON SCHULTHEIS, P. O. Box
78...
College Point, Queens Borough, N. Y.
HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity

Come, see Ericas (Heather), also Full
and con- Line of Other Flowering Plants
vince yourself. Price List on Application.

Asparagus Plumosus Nanus.

1000 Asparagus Plumosus Nanus, 4-in. pots,	\$15.00
1000 " " " 5 " "	18.00
200 " " " 7 " "	25.00
300 " " " 8 " "	35.00

Asparagus Seed, home grown, \$1 per 100, \$9 per 1000
Write for prices on Carnation Cuttings.

W. F. Kasting, 495 Washington St. Buffalo, N. Y.

Mention The Review when you write.

50,000 Rooted Cuttings

Begonia Incarnata Gigantea.....	Per 100	\$2.00
" Rex, mixed, Mrs. Pollock.....	"	2.00
" Rex, 30 named varieties.....	"	4.00
Coleus, 50 varieties.....	"	1.00
" mixed.....	\$5.00 per 1,000,	.60
" separate colors, 6.00.....	"	.75
Ageratum, Geraniums, mixed.....	"	1.00
Geraniums, separate kinds.....	"	1.50
" bronze, lemon verbenas.....	"	1.50
" silver leaf, rose scented.....	"	1.50
" Mme. Sallerii, Vinca var.....	"	1.25
Impatiens Sultana, assorted.....	"	2.00
Pelargoniums, assorted, named.....	"	4.00

POTTED PLANTS.

Begonia Incarnata Gigantea.....	2½-in.	3.00
" Rex, mixed.....	"	4.00
" Rex, 30 named varieties.....	"	6.00
Cinerarias, best strains.....	"	3.00
Asparagus Plumosa Sprengerii.....	"	6.00
Impatiens Sultana.....	"	3.00
Geraniums, Silver Leaf.....	"	4.00
Lemon Verbena.....	"	4.00
Forget-me-not, winter flowering.....	"	3.00
Vincas Var., 2-inch, 3-inch, extra.....	\$2.00 to 4.00	

Write for prices on other stock or for
large quantities. Terms Cash or C. O. D.

GREENE & UNDERHILL,
Watertown, N. Y.

Mention The Review when you write.

ORCHIDS....

CATTLEYA FLOWERS of finest
quality always on hand. Orders from unknown
parties must be accompanied by cash. Orders
taken now for **Cattleya Labiata Plants**, spring
delivery.

Lager & Hurrell, Growers and
Importers.... Summit, N. J.

Mention The Review when you write.

SAMUEL S. PENNOCK, Wholesale Florist

OPEN DAY AND NIGHT—From 12 A. M. Mondays to 10 P. M., Saturdays.

A constant supply of SELECT VALLEY the year round.
AMERICAN BEAUTIES OUR SPECIALTY.

1612-14-16-18 Ludlow St., Philadelphia, Pa.

Mention The Review when you write.

WESTERN PENNA. HEADQUARTERS FOR EXTRA FANCY STOCK.

PITTSBURG CUT FLOWER CO., Ltd.

705 Penn Avenue, PITTSBURG, PA.

Long Distance
Phone 2157.

Wholesale Florists.

Write for Price List.
Consignments
Solicited.

Mention The Review when you write.

ANNOUNCEMENT.

Philadelphia, Jan. 26, 1899.

We are pleased to inform you that Mr. B. Eschner has been admitted as a partner in our business, which shall, as heretofore, be conducted under the firm name of M. Rice & Co., Importers and Manufacturers of Florists' Supplies, No. 25 North Fourth street, Philadelphia, Pa.

Mr. M. Rice takes this opportunity of thanking his many friends for the favors extended to him in the past, and solicits for the new firm a continuance of the same. Very truly yours,
M. RICE & CO.

SOCIETY OF AMERICAN FLORISTS.

Department of Plant Registration.

J. C. Vaughan, Chicago, Ill., registers the following new cannas:

Red Indian—Robust grown, bronze foliage. Flowers deep scarlet, petals large and rounding. Stalks five to six-branched.

Mandarin—Height six feet. Bronze foliage, same character as Discolor. Flowers pure orange, large and carried well above the foliage.

Victory—Height five feet. Robust grower, flower stalks seven to nine-branched. Foliage very large and thick. Flowers largest size and suggesting a possible crossing of the Italian with the Crozy sorts. Color orange scarlet, with crimson veins running lengthwise of petal and bordered with irregular band of yellow. Small lower petal and throat mottled yellow.

WM. J. STEWART, SEC'Y.

THE BRIGHTEST AND BEST.

Florists' Pub. Co.: Enclosed please find one dollar, being my renewal of subscription to The Weekly Florists' Review, which I think is the brightest and best trade paper in America. Wishing you continued success I remain,

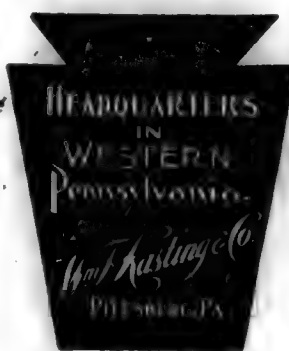
Yours Respectfully,

F. G. FOSTER.

Hamilton, Ont., Dec. 12, 1898.

ROSES,
Carnations
VALLEY
FERNS,
GALAX, and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

Consign-
ments of
good stock
solicited.



We get
daily new
customers
because
we have
the
reputation
that
all orders
are
punctually
filled.

Long
Distance
Telephone
2955.

WM. F. KASTING & CO., F. STOKES,
Wholesale Florists. 444 Sixth Ave.
All kinds of FLORISTS' SUPPLIES and
WIRE DESIGNS on hand.
Mention The Review when you write.

KELSEY'S SOUTHERN Galax Leaves

Brilliant Green and Bronze.
Information of the Introducer,
HARLAN P. KELSEY,
Prop. Highlands Nur- 1106 Tremont Bldg.,
sery in North Carolina. BOSTON, MASS.
Mention The Review when you write.

Cut Flower Exchange,

404 - 412 East 34th St., New York,
NEAR THE FERRY.
Open Every Morning at 6 o'clock for the sale of
CUT FLOWERS.
Wall space for Advertising purposes to Rent.
J. DONALDSON, SECRETARY.
Mention The Review when you write.

HOUSE PLANTS IN THE HOUSE.

The PLANT trade from the point of
"business," and also the care of Plants,
treated in an attractive six-page Folder
to be given to customers

Sample order of 25 copies mailed for 60c in stamps
Dan'l B. Long, Publisher, Buffalo, N. Y.
Mention The Review when you write.

Always Mention the....
Florists' Review
When Writing Advertisers.

GIVE US
A
TRIAL.
WE CAN
PLEASE
YOU.

Roses,
Carnations
and all
kinds of
Seasonable
Flowers
in stock.



WM. F. KASTING, Wholesale Com-
mission Florist,
495 Washington St., BUF FALO, N. Y.
Also Dealer in Florists' Supplies and Wire
Designs.

Mention The Review when you write.

WM. J. BAKER,
WHOLESALE
CUT FLOWERS,
1432 S. Penn. Square, PHILADELPHIA, PA.
Original Headquarters for CARNATIONS.
Mention The Review when you write.

EDWARD REID,
Wholesale
Florist,
LONG
DISTANCE
PHONE.

1526 Ranstead St., PHILADELPHIA, PA.
Mention The Review when you write.

CARNATION CUT BLOOMS.

Standard Varieties, \$1.50 to \$3.00 per hundred.
GOOD SMILAX, \$15.00 per hundred.
EVEN DEN BROS., Williamsport, Pa.
Mention The Review when you write.

Rose Hill Nurseries.
Palms, Orchids, Roses, Ferns
AND FOLIAGE PLANTS.
Largest stock in America.
SIEBRECHT & SON,
New Rochelle, N. Y.
Mention The Review when you write.

GOLD FISH and AQUARIUM SUPPLIES.

KEENAN'S 6112 and 6114
SEED Wentworth Avenue,
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All Home Grown, Strong and Healthy.

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4-in. pot,	3 Plants,	Height.	Per doz.	Per 100
5 "	3 "	15 to 18 in.	\$ 3.00	\$25.00
6 "	3 "	20 to 22 in.	6.00	50 00
6 "	3 "	22 to 26 in.	9.00	75 00
6 "	3 "	28 to 30 in.	12.00	100 00
12 "	3 "	60 to 72 in., very bushy,	ea.,	10.00
A few bushy specimens, 14-in. pot, %-ft. high, ea., \$25				

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WYNCOTE, PA.

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COCOS WEDDELIANA.

		Height.	
2	x 3-in. pot, 1 Plant,	6 to 8-in.	per 100, \$10.00
3	" " 1 "	8 to 10-in.	" 15.00
4	" " 1 "	15-in.	" 40.00
5	" " 1 "	15 to 18-in., ea.,	50c.; doz. 6.00
5	" " 3 "	15 to 18-in., ea.,	50c.; doz. 6.00

KENTIA BELMOREANA.

	Leaves.	Height.	Per doz.	Per 100
3-in. pots,	4 to 5	10 to 12-in.	\$3.00	\$ 25.00
4 " "	5 to 6	15 to 18-in.	6.00	50.00
5 " "	5	18 to 20-in.	12.00	100.00
6 " "	6	18 to 20-in.	15.00	125.00
6 " "	6	24 to 30-in.	18.00	150.00

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AND STEFFENS BROS.

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CARNATIONS. Rooted Cuttings of Flora Hill, Evelina, Painted Lady, Firefly, Pingree, Morello and other standard varieties.

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for all in the trade.

Samuel C. Moon, MORRISVILLE, Bucks Co., PA
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BUFFALO.

Bowling.

The Buffalo florists met last Friday and organized the Buffalo F. B. C. The election of officers took place and the following were elected for the season: George Troup, President; H. B. Buddenborg, Treas.; Phil. Scott, Secy.; Wm. Scott, Capt. After the meeting four games were rolled. Some one suggested that the scores be "padded," but the youngest Scott present said nay, "don't do it," there's chance for improvement. Following are the scores:

	1.	2.	3.	4.	Total.	Ave.
W. Scott	125	123	107	147	502	125 1-2
George McClure ..	140	124	143	148	555	138 3-4
George Troup	84	131	131	168	514	128 1-2
W. F. Kasting			135	151	286	143
Philip Scott	162	163	177		502	167 1-3
David Scott	162	147	100	158	567	141 3-4
H. B. Buddenborg ..	98	98	119	93	408	102
D. B. Long			95	117	212	106
Schmid	122	159	116	116	513	128 1-4
W. Grever		105	120	113	338	112 2-3
Charles	89	93	87	81	350	87 1-2
Wasson	123	102	88	102	415	103 3-4

MARION, IND.

Mr. Gunnar Tellmann, the florist, is in a dangerous condition as the result of injuries received in a gas explosion Feb. 1.

He uses gas for fuel in heating his greenhouses, and the explosion occurred while lighting fires under his boilers, being due to a defective mixer.

He was badly burned about the head, face and hands, and it is feared that he inhaled some of the flames.

CINCINNATI, O.—Fire at the green houses of Leonard Schreiber did damage to the amount of \$500, Jan. 29.

ORILLA, TEX.—J. N. Laughlin is preparing to start into the florist and nursery business here.

Water Lilies and Aquatics



We offer a full line Hardy and Tender Nymphæas, Lotus and Victorias for decorative display or cut flowers. We make a specialty of these favorites and our collections in both hardy and tender sorts are unsurpassed. We are pleased to furnish to intending purchasers estimates and practical suggestions for planting large or small ponds.

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PHILADELPHIA.

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The Morris Floral Co.

MORRIS, ILL.

Estimates given on

R. C. Carnations.

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New Carnations for 1899...

	Per doz.	Per 100	Per 1000		Per doz.	Per 100	Per 1000
C. H. Crane..	\$2.00	\$10.00	\$75.00	Mary A. Baker..	\$1.50	\$3.00	\$70.00
America	2.00	10.00	75.00	Anna C. Eastburn	1.50	8.00	70.00
Dorothy Sweet	2.00	10.00	75.00	Gov. Griggs.....	2.00	10.00	75.00
Gen'l Gomez ..	2.00	10.00	75.00	Duke of York....	2.00	10.00	75.00
Gen'l Maceo ..	2.00	10.00	75.00	Liberty	2.00	10.00	75.00
Glacier	2.00	10.00	75.00	Cardinalis	2.00	10.00	75.00
Melba	2.00	10.00	75.00	Progress	2.00	10.00	75.00
Evanston....	2.00	7.00	60.00	Emiline.....	2.00	10.00	75.00

Catalogue ready February 10th.

H. WEBER & SONS, - - OAKLAND, MD.

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New Carnation Argyle

Place your orders for rooted cuttings with the originators of this grand novelty. Price \$5 per 100; \$40 per 1000.

STOLLERY BROS., 1003 Carmen Avenue, CHICAGO.

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Herr's Carnations.

YOU RUN NO RISK.

All Carnation Cuttings are sent out with the privilege of returning them at my expense if they are not found satisfactory on receipt and your money returned in full.

I have from 1,000 to 5,000 stock plants of each of the leading varieties, and offer Rooted Cuttings at very reasonable prices. Correspondence solicited.

UNCLE WALTER-- This is another one of Tidal Wave's many sports and I presume it is the same and just as good as any of its other ones. I can vouch for its goodness and that it is a scarlet sport from Tidal Wave. Rooted Cuttings can be had at \$5.00 per 100 or \$40.00 per 1000, either from JOHN MURCHIE, Sharon, Pa., or ALBERT M. HERR, Lancaster, Pa.

ALBERT M. HERR,
LANCASTER, PA.

The MODEL Extension Carnation Support.

Read what some of our best growers say concerning it.

Buffalo, N. Y., Jan. 13, 1899.
Theron Parker. Dear Sir:— Your Model Carnation Support is the best thing I have yet tried. In fact, it is about ideal. I used it this winter on Scotts, Flora Hill, Mrs. Beal and Genesee. The principle is perfect, but experience may teach us that in some varieties, for instance, Daybreak the lower ring might with advantage be two inches lower. If could afford the first cost, at once, I would not think of using anything but the "Model." Very respectfully yours, WILLIAM SCOTT.

Other testimonials will appear weekly. Write for prices.
THE MODEL PLANT STAKE CO.,
22 Morton Street. Brooklyn, N. Y.
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CARNATIONS.....

ROOTED CUTTINGS. NO DISEASE.

Rose Queen, Wm. Scott, Emma Woher, Daybreak, Alaska, McGowan, Ruby, Jubilee, \$1.50 per 100, \$12.00 per 1000; Alyssum Double, \$1.00 per 100.

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BON TON. EMPRESS. PSYCHE.

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\$3 per hundred. \$25 per thousand.

DAYBREAK. WM. SCOTT. HECTOR.
JUBILEE. MINNIE COOK.

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The greatest scarlet of them all is HECTOR.

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This has been conclusively proven by experiments
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50c per 100, \$4.00 per 1,000; per 5,000 \$17.50.

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Brides, Bridesmaid, Meteor and Perles at \$1.75
per 100, \$15.00 per 1,000. Clean, healthy stock.
Remember, my Perles are First Prize Winners,
and the others always come in for their share at
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	100	1000
Meteor	\$1.50	\$12.50
Bridesmaid	1.50	12.50
Bride	1.50	12.50
Perle	2.00	17.50
Kaiserin	2.00	17.50

CARNATIONS.

PINK.

	100	1000
Triumph	\$1.50	\$12.50
Wm. Scott	1.00	7.50
Painted Lady	4.00	35.00
Daybreak	1.50	12.50
Argyle	4.00	35.00
Mrs. Frances Joost	5.00	50.00
McBurney	1.50	12.50

RED.

Dazzle	4.00	35.00
Jubilee	2.00	17.50
Portia	1.00	7.50
Bon Ton	4.00	35.00

MAROON.

Empress	4.00	35.00
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Flora Hill	1.50	12.50
Mary Wood	5.00	40.00

The largest and best White Carnation that
is grown. Has a strong stiff stem and a
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Psyche	4.00	35.00
Armazindy	2.00	17.50

YELLOW.

Mayor Pingree	2.00	17.50
Gold Nugget	6.00	50.00

GRAND RAPIDS.

The Florist Club.

The Florists' Club held a regular meeting at Eagle hotel, with N. B. Stover presiding. The forepart of the meeting was taken up with a miscellaneous discussion of glass and carnations, followed by a paper on "Violets," by Chas. Chadwick, his method of cultivation differing somewhat from other growers. He prefers rooted runners for stock, starts them in flats, then runs them in 3-inch pots, and about August 1st plants in bench 8x9 inches. The glass is left on through all stages, due attention being given to watering. When in pots they dry out quickly, when in the bench water whenever required, shade glass, so as to break the fierce rays of the sun. With this treatment he commences picking Oct. 1st and up to Feb. 1st from 2,600 plants of Lady Campbell picked 46,000 blooms or an average of 18 flowers to a plant; temperature about 50 degrees at night.

Geo. F. Crabb reported that the glass agent was sick with the grip and could not attend this meeting, but will attend as soon as well.

The annual carnation meeting will be held March 2nd at the Eagle hotel in the spacious reading room. The secretary was instructed to thank Mr. Hancock for his kind invitation to have the meeting held in Grand Haven, but the same should be held at such place as is easily accessible to the greatest number. At some other occasion the club would be delighted to accept his kind hospitality.

Geo. F. Crabb and Henry Smith were appointed a committee to secure exhibits of as many of the new carnations as possible.

A resolution was offered and read, changing the constitution and by-laws so as to hold the meeting on Monday or Thursday evenings, instead of Tuesday, as at present. It will be placed on its second reading next meeting.

Notes.

Wm. Rhueland, employed by Wm. Cunningham, is at the U. B. A. hospital, sick with the grip. Fred Cunningham and Alfred Hannah are also down with the same disease.

There has been a flower stand started in Morse's, the large department store, another encroachment on the domain of the florist.

So far, there will be but two members of the club attend the carnation meeting, Henry Smith and George F. Crabb.

Crabb & Hunter have decided not to enter their pink seedling Irene this year, knowing they have a cinch on a good thing they will wait until the fourth year before either exhibiting or putting it on the market. Their belief is daily growing stronger, that it is going to displace Scott.

GEORGE F. CRABB.

Carnation Seeds and Carnation Seedling Plants

From Hand Fertilized, Winter Blooming Varieties.

100 Seeds for 25 cents
100 Plants for \$4.00

Sent free by mail.

25 Plants at 100 rate. Cash with order.

AMERICAN ROSE CO., WASHINGTON, D. C.

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ROOTED CUTTINGS.

G. H. Crane—The leader, large brilliant scarlet. Early and continuous bloomer.

Gen. Maceo (Ward) Maroon scarlet. The best of its class. Early and free.

Gen. Gomez (Ward) Cardinal maroon. Free bloomer.

Glacier (Ward) Pure white, dwarf habit.

America (Hill) Large soft scarlet.

Melba (May and Craig) Light pink.

White Cloud. All who have tried this variety declare it to be the best white carnation ever introduced.

Gold Nugget, yellow. **New York**, cerise pink.

Mrs. Jas. Dean, light pink. **Mary Wood**, white.

Mrs. Geo. M. Bradt.

Also, the best of all the other 1898 and standard varieties. **We have a FINE STOCK of**

EARLY CUTTINGS READY NOW.

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Dwarf Yellow Lantana...

Grows only eight inches high and always covered with bloom. Fine for bedding.

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Read this and let us hear from you.

Remember, our Geraniums are grown in flats and in soil. Our selection, \$1.50 per 100, \$12.00 per 1,000. Mme. Salleron, same price and grown in soil. Rose Geraniums, \$2.00 per 100. Ageratum, blue and white, 60 cents per 100, \$5.00 per 1,000. Fuchsias, standard sorts, \$1.50 per 100, \$12.00 per 1,000. Fever Few, Little Gem, from flats and in soil, \$1.25 per 100, \$10.00 per 1,000. Salvia Splendens and Bedman, \$1.00 per 100. Heliotrope, six varieties, \$1.00 per 100, \$9.00 per 1,000. Vinca Variegata, cuttings, \$1.25 per 100, 4-in. stock, fine, \$8.00 per 100, \$50.00 per 1,000. Coleus, all the best varieties. C. Verschaffeltii and Queen, 75 cents per 100, \$8.00 per 1,000. Coleus, in variety, 60 cts. per 100, \$5.00 per 1,000. The above are Rooted Cuttings, except when noted.

Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y.
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VENTILATING APPARATUS
HOT WATER BOILERS, PIPES, AND FITTINGS.
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CARNATIONS...

AMERICA. The largest and most perfect shaped scarlet Carnation produced thus far; producing immense quantities of its soft, scarlet flowers. Of extra robust growth, free in the production of bloom. A good commercial variety. Preliminary certificate A. C. S., at Chicago.

G. H. CRANE. (Dorner.) A long-stemmed bright scarlet, free, profuse, and constant bloomer. It comes into bloom early and yields both quality and quantity; stem long and stiff from the beginning to end of season. Tested three years and proved all right as a commercial variety. Certificate A. C. Society.

MELBA MAY AND GRAIG.

A grand combination of good qualities, free bloomer, early and continuous. In point of color the finest pink Carnation yet produced, large and perfect in form, very fragrant and with a long, stiff stem.

MAUD ADAMS. (Niquet.) Deep clear cerise of a very pleasing shade under any light; most attractive color of its class; a large, bold, handsome flower, with extra strong stem, 18 to 24 inches high; with good calyx and exceedingly free flowering.

Price for above four varieties, \$10.00 per 100, \$75.00 per 1,000.

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California Violets, rooted runners, 60c per 100, \$5.00 per 1,000.

California Violets, large clumps, \$5.00 per 100.

Smilax Plants, 3-in. pots, fine stock, \$2.00.

Ficus Elastica, fine, large-leaved Belgian, 6-in. pots, 18 to 24 inches tall, \$6.00 per dozen.

Roses, 2½-in. pots, \$2.00 per 100.

4-in. pots.... 8.00

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New Sweet Scented Tropæolum Phoebe

A most attractive and deliciously-scented variety, producing flowers throughout the winter and summer season of a deep, golden yellow, with a rich crimsoned feathered blotch in each segment, outer edges notched or scalloped, the whole forming into an exquisitely shaped blossom; admired by all, and a decided improvement on all existing varieties in this class. Will prove a valuable plant for the retailer, its bright, handsomely marked flowers selling it on sight.

20 cents each, \$2.00 per doz., \$15.00 per 100.

New Sun-Proof Tuberous Rooted Begonia, Duke Zeppelin.

This beautiful variety originated as a cross between Begonia Davisii and one of the Tuberous Rooted sorts. It is similar in habit of growth to Begonia Davisii, growing only about 8 inches high and throwing up numberless stems of dazzling scarlet double flowers of a brilliancy not found in any other plant. It was probably the most noticed flowering plant at our nursery the past summer. Unlike all other varieties Duke Zeppelin delights in full sunshine.

20 cents each, \$2.00 per doz., \$15.00 per 100.

HENRY A. DREER,

714 Chestnut Street, PHILADELPHIA, PA.

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TROPÆOLUM PHOEBE.

IMPERIAL VIOLET.

10,000 Rooted Cuttings left out of the 20,000.
Ready for immediate delivery.

After these are gone shall not be able to send plants till sometime in March. I believe the Imperial, without exception, is the largest, longest stemmed, deepest blue in color, and most fragrant double violet grown, and for health and vigor cannot be surpassed if it can be equalled. It has never shown the slightest trace of disease of any kind. I have heard of large yields of flowers but my plants to date, Jan. 1st, have given me an average of 35 flowers per plant, and to-day the large fat buds are as thick as straw. The price of the Imperial has averaged so far for this season \$1.47 per 100; can you beat this? If you cannot, send a small order and give them a trial. With every order of a dozen or more I will send my new book on Violet Culture that will tell you some things that you do not know; it is a plain description of the results of years of careful experiment. The book itself is worth all you pay for the plants, and is, I believe, the only work of the kind in print; it also describes the model violet house, preparation of beds, soil and fertilizers; this work I have copyrighted and it can only be obtained from me. Price of plants with Violet Culture:

Per dozen, \$1.50	Per 100, \$10.00
Per 500, 45.00	Per 1000, 90.00

W. L. MINOR, Brockton, Mass.
Violet Specialist, 580 Belmont St.

All intending purchasers are cordially invited to call at my house and see this truly magnificent violet in bloom. It will pay you.

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HARDY SHRUBS, TREES, VINES,
EVERGREENS and PERENNIALS.

A large and fine stock of well rooted plants, grown in a sandy loam. Good plants, best sizes for planting, very cheap.

Trade list free on application.

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Geraniums, from 2 to 2½-in. pots, of the best kinds mixed, used by the wealthy people of Trenton, N. J., past season, now ready for 3½ or 4-inch pots, at \$2.50 per 100, \$30.00 per 1,000.

Rooted Cuttings Lizzie McGowan Carnation, at \$7.00 per 1,000. Cash.

B. F. MUSCHERT, Penn Valley, Pa.
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NEW CARNATION

Gov. GRIGGS

SEEDLING OF VAN LEEUWEN
ON DAYBREAK.

Strong, healthy grower, free from disease of all kinds, continuous free bloomer with flowers very erect on a stiff stem, 18 to 20 in., flowers similar in color to Daybreak, but much brighter; edge beautifully fimbriated, good shape and with full center, and does not burst, commands the highest prices in New York for novelties. Having been grown by us for the past four years we can with confidence recommend it to the florists of America as one of the best if not the best light pink Carnation ever sent out. Orders are now being booked for rooted cuttings to be delivered February 1st, 1899. Price \$75.00 per 1000, 500 at 1000 rate, \$10.00 per 100, \$2.00 per dozen.

All orders filled strictly in rotation.
Cash with order from unknown correspondents.
A personal inspection invited.

Joseph Towell,

HALEDON AVE.
NURSERIES.

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For Orchids, etc., \$1.25 per bbl.

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First quality, \$1.00 per bale; 10 bales, \$8.00.

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FITTINGS OF EVERY DESCRIPTION.

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CARNATION CUTTINGS.

Jubilee and Triumph, the best red and pink, rooted, strong and clean, \$1.40 per 100 not rooted, strong and clean75 "
Albertini and Della Fox, very fine stock, rooted, strong and clean \$1.50 per 100 not rooted, strong and clean 1.00 "
Daybreak, Ivory and McGowan, rooted, extra strong \$1.00 per 100 not rooted, extra strong50 "
CASH WITH ORDER.

LE MARS GREENHOUSES, Le Mars, Ia.
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Rooted Cuttings of Novelties and Standard varieties. Send for price list.

Also Lady Campbell, Swanley White and California Violets and Giant Double Alyssum.

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Lock Box 10. Telephone connection.
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OUR SPECIALTY!

Rooted Cuttings of
New Varieties of Carnations.

Special prices to those who issue lists or buy to sell again. Let us know what you are going to need.

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HALES' MOLE TRAP

For destroying ground moles in lawns, parks, gardens and cemeteries. The only PERFECT mole trap in existence. Guaranteed to catch moles where all other traps fail. Sold by Seedsmen, Agricultural Implement and Hardware dealers, or sent by express on receipt of \$2.00 by

H. W. HALES, RIDGEWOOD, N. J.
Mention The Review when you write.

Lettuce Plants. 50c per 100, 300 for \$1.00, 700 for \$2.00.

Prepaid by mail or express. Safe arrival guaranteed. Grand Rapids, St. L. B. S. Forcing, St. L. Market—best three for forcing. Cash.

R. A. MCPHERON, Litchfield, Ill.
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BALTIMORE.

At a meeting of the Florists' and Gardeners' Club, held Jan. 23, it was decided to give a chrysanthemum show in the fall. The following committee was appointed to make preliminary arrangements and the schedule: Charles Wagner, Harry Ekas, W. P. Binder, John Donn, Fred G. Burger, Philip B. Welch and F. Bauer. Mr. Charles Wagner made a handsome exhibition of white seedling carnations.

MONTREAL.

At the annual meeting of the Montreal Gardeners' and Florists' Club, held Jan. 20, officers for 1899 were elected as follows: A. C. Wilshire, president (re-elected); Messrs. G. A. Robinson and A. Pinoteau, vice-presidents; W. Wilshire, treasurer; F. Bennett, secretary; W. Horsoin, assistant secretary; W. Whiting, F. C. Smith, J. Eddy, C. A. Smith, J. Doyle and G. Pascoe, executive committee.

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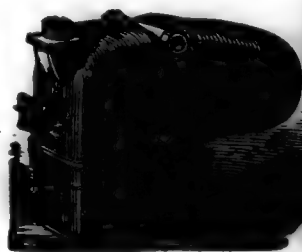
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MORRISTOWN, N. J.

The second annual dinner of Morris County Gardeners and Florists took place on Monday evening at the Washington Hotel. About fifty members participated with a number of invited guests. Mr. P. O'Mara officiated as toastmaster, and with that important chair so ably filled it goes without saying the "fun was fast and furious."

A long list of toasts was honored and responded to as follows:

"Our Society," President Duckham; "Our Country," Mr. Pearson; "Morris County," Mr. C. B. Gee; "Sister Societies," Mr. Geo. Smith, Orange; "American Florists," Mr. J. N. May "Cut Flowers," Mr. A. Herrington; "Orchids," Mr. J. E. Lager; "New Plants," Mr. F. L. Atkins; "The Press," Mr. J. W. Withers. The lighter side of the evening's entertainment was well sustained by Messrs. A. H. Lucas and S. McCullom with songs and recitations.

Among the decorations contributed by members special mention must be made of the magnificent vase of Mr. May's new Carnation Olympia. It was voted to be honestly worth \$35,000 and with a generosity befitting the occasion Mr. May distributed the flowers at the close of the evening to all such members as desired to graft them upon stocks they had at home. Joking aside, however, Olympia is a beauty.



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CATALOGUES RECEIVED.

Ellis & Pollworth, Milwaukee, Wis., red flower pots (own make); W. Atlee Burpee & Co., Philadelphia, Farm Annual; same, seeds; Nanz & Neuner, Louisville, Ky., seeds, bulbs, plants, nursery stock, etc.; Wm. Elliott & Sons, New York, seeds; A. B. Davis & Son, Purcellville, Va., plants and bulbs; A. Tilton & Son, Cleveland, O., seeds; Wm. Murphy, Cincinnati, O., rooted carnation cuttings; W. A. Manda, S. Orange, N. J., new and rare plants, seeds and bulbs; J. C. Bigelow, Utica, N. Y., fruit, shade and ornamental trees; Deming Co., Salem, O., spray pumps and nozzles; D. M. Andrews, Boulder, Col., hardy cacti, rare Colo. conifers and novelties in shrubs and plants; same, general catalogue; Hill Side Nursery, Marksville, La., tested rare plants and seeds; W. A. McFadden, Cincinnati, O., information for flower buyers; Griffith & Turner Co., Baltimore, Md., farm and garden supplies.

PARK AND OUT DOOR ART ASS'N.

We have received a printed copy of the second report of the American Park and Outdoor Art Association from Secretary Warren H. Manning.

Boston, Mass. It contains 164 pages and gives in full the essays read at the last meeting, together with the discussions and reports in detail the speeches at the annual banquet tendered by the citizens of Minneapolis.

The mission of the association is "To promote the conservation of natural scenery, the acquirement and improvement of land for public parks and reservations, and the advancement of all outdoor art having to do with the designing and fitting of grounds for public and private use and enjoyment." All having an interest in these objects are eligible to membership. The annual dues are \$2.00. The next meeting will be held in the city of Detroit, Mich.

MILFORD, CONN.—Relations are strained between O. H. Nye, the florist, and the editor of the Milford Citizen. At last report Mr. Nye had gone for far and feathers and the editor is doing business with a 38-caliber revolver lying on his desk.

HACKENSACK, N. J.—Fire that started in the boiler room did \$5,000 damage to the Red Towers Green-houses January 30.

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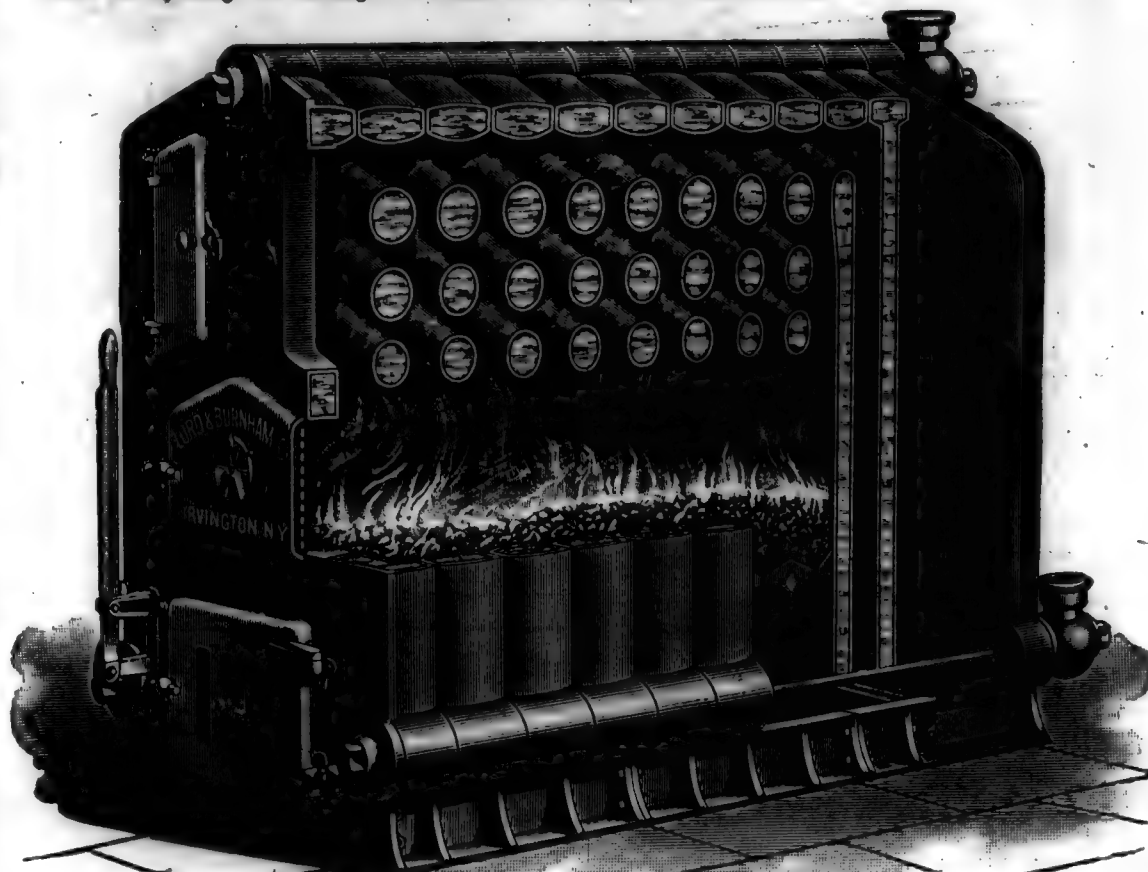
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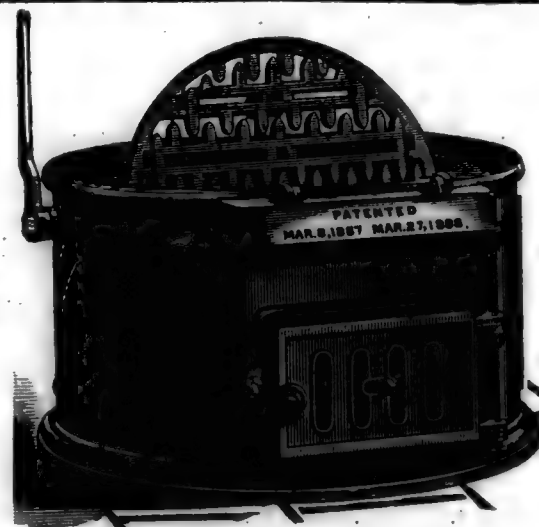
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Vol. III.

CHICAGO AND NEW YORK, FEBRUARY 16, 1899.

No. 64.

AMONG CHICAGO GROWERS.

Wietor Bros.

When wandering through the immense range of greenhouses of Wietor Bros., in Rogers Park, it is difficult to believe that they entered the ranks of the growers only four years ago. The firm is composed of Nicholas and Henry Wietor, both young men, Henry being 32 and Nicholas 25 years of age. The glass consists of 57 houses, each 125 feet long and varying from 22 to 27 feet wide, all devoted to roses and carnations.

Roses comprise the bulk of the stock and American Beauties lead in number. Meteors, Brides and Maids make up the remainder, with the exception of one house of Perles. They tried Morgan, Siebrecht and Carnot, but dropped them all as unprofitable. With Beauty they are very successful and the accompanying engraving of one of their Beauty houses from a photograph taken last week shows the splendid growth and long stems they

get. The newest Beauty houses are 14 feet to ridge and 7 feet clear under the gutters.

A large range of houses built last summer is devoted to carnations and their cut of these has largely increased this season. Triumph is their favorite pink variety. With them it produces more flowers than Scott from the same space and the flowers sell at a better price. They have dropped Scott entirely in its favor. They like Argyle on account of the fine color, but with them it does not produce as freely as Triumph, and the flowers rarely bring a better price than that variety. They will, however, continue to grow it for the sake of the color. They have dropped Nancy Hanks, as with them the flower was small and the variety a cropper. Rose Queen "split so badly that it split the stem." Tidal Wave had too short a stem.

In whites McGowan is still the main reliance. It is not only a great producer but the flowers can be held a long time, either on the plants or off. Evelina has produced even more freely

than McGowan, and the flowers are better shaped, but they are smaller and shorter stemmed. With them Flora Hill produces about as freely as McGowan and the flowers are better, but they are not such good keepers. Alaska had very short stems last season, though one year they had good stems from plants that were benched as early as July. The plants seem slow to take hold of the soil when moved.

In reds they consider Jubilee about the only one of value. With them it produces about as freely as Argyle. They tried a hundred plants of Bon Ton, which produced freely early in the season, but later took a long vacation, and are only now tending to business again.

In variegated sorts Armazindy is a wonderful producer with them, giving more good flowers to the square foot than any other carnation on the place, not excepting Triumph. They have had 27 flowers fit to cut at one time on one plant of Armazindy, and the variety will average 75 good flowers to



Greenhouses of Wietor Bros., Rogers Park, Chicago.

a plant for the season. Unfortunately the market will take only a limited amount of variegated carnations. They have a pink sport from Armazindy, from which they expect a good deal, as a pink with the free character of Armazindy will be a decided acquisition. They grow Armazindy largely as a summer white carnation, as in summer it comes almost pure white outside.

They grow some Pingree, but find the call for the flowers rather limited. It produces satisfactorily.

Many of their carnations are in solid beds and they prefer them this way. They have benches in their

newest range, but this was because the land lay lower and they lacked filling.

In addition to Armazindy they grow Scott and Portia for outdoor summer flowers. The plants for summer blooming are propagated about Thanksgiving.

They contemplate making very extensive additions to their glass the coming summer, expecting to cover ten acres more of ground with glass.

The city salesroom is at 51 Wabash ave. and is presided over by "Nick" Wietor, while Henry Wietor devotes his attention to the growing establishment at Rogers Park.

the same time. Their treatment is very simple. Supposing you have the plants now "heeled in" in a cold frame or pit, all they want is to be potted firmly in pots just large enough to take the roots and get a little earth round the ball. At the price at which both of these plants can be purchased, it is far cheaper to buy every fall than attempt to carry any over in pots during summer; 50 to 55 degrees at night, with plenty of water at the roots and a daily syringing till the flowers show color is all that is necessary. We think *Deutzia gracilis* in moderate size a most useful plant, but the sweet and fragile *A. Mollis* has been anything but profitable to us, and we are quite satisfied to let the "other fellow" grow it.

Sweet Peas.

From the city of C. comes this grumble: "I have a house planted in sweet peas, solid beds, sown last week in October. They are 18 inches high, look healthy, but will not take hold, and are sending up thousands of new shoots. They are showing buds; what is wrong? Two years ago, under the same conditions, they were twice the size." We should be inclined to think if they are sending up thousands of shoots and now showing bud that they have very much "taken hold" and that there is little to complain of. Several reasons may be accountable for a dwarfer growth. It has been a snowy, cloudy winter, with a lower average temperature than two years ago. Then again, perhaps your solid bed was new with a liberal allowance of manure; now the soil may be much less fertile. You can't force sweet peas and you get no flowers till we get an increased sunlight, which comes in March. The treatment I should give these peas just now is plenty of syringing but only a moderate supply of water at the roots.

I have had occasion to say on previous occasions that a solid bed is not the place to grow sweet peas for early spring picking. Last spring I saw growing in a carnation house in four inches of soil the finest peas I ever saw, stems 12 inches long and not a petal dropping. They were sown at each pillar in three-quarter span house, about under the ridge, where they had 7 or 8 feet head room. The soil was rich with manure, but there was scarcely four inches of it. I am not advocating growing carnations and peas in the same house, but, depend on it, the shallow bench principle is right.

To some of my readers my experience of seven or eight years ago with a solid bed for sweet peas may be new. It was a foot of good, rich, heavy loam and beneath that more or less rich territory until you struck Manilla. The vines grew and grew till they reached the top of the house, about 9 feet; then they took a downward inclination and dropped over in a bridal-veil kind of style. With the suns of April they grew up once more till they again reached the glass. They flowered a very little before good early ones out-

MISCELLANEOUS SEASONABLE HINTS.

Tobacco Dust.

A reader asks, "Does the mixing of tobacco dust or ground tobacco with potting sod keep the angle worms out of pot plants? I think it does not last long; has anyone tried it?" We have never heard that tobacco dust was used for ridding the soil of angle worms. Tobacco stems, when well rotted, have been proved to be a very good manure to plough in as you would stable manure. We had a neighbor, a leaf tobacco merchant, who was also an amateur farmer, and scores of tons of the tobacco stems he used to plough under and raised excellent crops.

We don't think worms object to tobacco, and, like much higher organized beings, may learn to enjoy it. The best known method to rid your pot plants or borders of angle worms is to dissolve one pound of quick lime in 20 gallons of water, or that proportion, and when the water is cleared apply as a watering; that will settle the worms. Having occasionally a barrel or two of air slaked lime on the premises, we have often added to our mixture of compost on the potting bench a 4-inch pot of the lime to a bushel of soil, or about that rate. We never saw it have the slightest ill effect on any of our plants, and it has most effectually killed the worms.

Cinerarias.

S. P. says: "I have some cineraria plants that are full of buds, but they have no petals to them. The plants are fine ones and were grown in a temperature of 45 degrees. They are well budded, but have no petals." This is strange, for without petals it could

scarcely be a bud. I have noticed this spring from a packet of seed bought for single that there are several plants now growing perfectly double flowers, and when they are in the bud form, or just showing color, they are abortive looking things, and are in reality an abortion and not near so attractive or desirable as the single flower. We surmise that the cinerarias of S. P. are coming double and that is all that's the matter with them. They are in right temperature, 45 degrees at night. Greenfly is the deadly and persistent enemy of the cineraria. Great care should be taken in watering. If allowed to get dust dry they lose their largest lower leaves. If overwatered they are easily killed. What with the great space on the bench necessary to grow them well, the great fight against aphid and their unadaptability to growing in a warm room, with their established low price, there are many plants more profitable. While a great attraction to a well-kept, cool conservatory, it would be just as well for all commercial men to drop them for a decade. Then there would be a new race of plant buyers who did not know them as "such a cheap plant."

Azalea Mollis and Deutzia Gracilis.

F. W. N. asks: "When is the time to take *Azalea Mollis* and *Deutzia gracilis* into a night temperature of 50 degrees? Sunny days the house is from 65 to 75 degrees for Easter flowers. What treatment is required?" I had occasion to say last week that *Deutzias* should have six weeks; that means that you have no time to spare after this week's Review reaches you. *Azalea Mollis* will do very well with



House of American Beauty Roses at Wieter Bros., Rogers Park, Chicago.

side and most of the flowers dropped at that, still it was not all a loss. I had many days of sweet anticipation (the essence of all earthly joys), considerable experience and many yards of coarse chicken netting; 50 degrees at night is as high a temperature as you can give sweet peas in the winter months.

Seeds.

I have often said that the middle of March was early enough to sow asters, and so it is for a general purpose or for plants to sell to your customers, for their mixed borders, for they will seldom ask for them till the end of May. But the aster is now an important commercial flower, and when the carnation with the heat of June and July has become small and soft and short-lived, then the aster is most acceptable. No doubt the finest, best-colored asters are grown under glass, but you seldom have a bench to spare. Chrysanthemums take up the benches that are vacant in your plant houses in summer. There's not a day to spare between crops of roses and with the best methods of growing violets only time enough to get in new soil, clean up, etc., and with most of our best carnations, if shaded and abundance of ventilation, they should pay far better

in the months of June, July and August than throwing them out to make room for a summer crop. Still occasionally a bench of Daybreak will be little worth keeping after the middle of May and then if you have some fine asters well advanced they will pay well and be out of the way in time to plant carnations the first of September.

I believe in sowing for first crop either for out of door or under glass by the middle of this month, and after being transplanted from seed box into flats they could from that go into 2½-inch pots. After the middle of April there is always room in a violet house (for you have more flowers than than you can sell), and a few weeks in a violet house in a 2½-inch pot would produce a splendid aster plant, and they would go right ahead when planted out. There are many varieties of asters, but doubtless Semple's, when a true strain is the best of all. Victoria is earlier and Truffaut paeony-flowered is fine, but Semple's is a selected American variety and can be depended on.

It is about time now to sow the following seeds: Verbena, seedlings are less trouble, free from disease, and strains can now be bought as good as named varieties; Pyrethrum aureum, a little yellow weed that is used for bor-

dering; single dahlias; mignonette for spring sales, it takes a long while to make a sturdy plant in a pot; Petunias—you may think it early, but it is not, as they should be grown cool; buy only the best double strains you know of, 60 per cent will come single anyway. If you want to raise tuberous rooted begonias from seed and gloxinias, it is now a good time to sow. You make this a limited list of seeds, but to have a lot of seedling annuals on your hands too early is a mistake, and a month later will be time enough for stocks, zinnias, balsams and many other of our summer flowers.

Dahlias.

If you grow these handsome flowers and have any old plants or, rather, roots dug up last fall and wintered under your coolest bench it will be time to start them if you wish to increase your stock. It seems to me the Canadians know better how to produce fine dahlia flowers than elsewhere on this continent, although, perhaps, the northern New England states are just as good. It is a cool climate they want, but high culture will overcome this disadvantage of an unfavorable climate. Place the old clump of roots in an inch of soil on any bench in any house where the night temperature is

55. Sprinkle a little soil or leaf mould among the tubers, but not covering them by any means. From near the old crown there will be soon starting a number of young growths. When these are 3 or 4 inches long they will root quickly, but it should be in sand where the bottom heat is 65 to 70 degrees. Always cut a dahlia, cutting immediately below a joint. If these

cuttings are grown along, shifted when needed, kept tied up, planted out as soon as it is safe in a loam that has had one-half its weight of manure added and copiously watered two or three times a week, you can pick full flowers by July 1st, or, at least, by the anniversary of the battle of Santiago.

WM. SCOTT.



INDOOR GROWN CARNATIONS.

BY CHAS. W. JOHNSON.

[Read before the Philadelphia Meeting of the American Carnation Society.]

The principal motive that led us to adopt the growing of carnations under glass from start to finish was to try and have the plants throw an even cut of blooms steadily throughout the season rather than have an abundance of flowers at one time and a scarcity another. We found upon first trial that we could produce a much finer grade of blooms with better stems and with less disease by growing the plants under glass throughout the summer months.

This is the third season that we have grown our carnations by this method and while we do not claim to have mastered all the ills and failings that carnations are subject to, such as rust, bacteria, purple-joint, bursted calyx, and most particular of all, to time our crop so as to have plenty of flowers when prices are high and there is a scarcity of stock on the market, yet we firmly believe we are on the right track, and though the number of blooms produced per plant may be slightly in favor of field grown stock the cash returns have proven with us to be decidedly in favor of the plants grown inside all summer. We will admit that in the fall and early winter months, say along till about the middle of November, the number of blooms being cut from field grown plants will put our indoor grown stock in the shade, and though this may be the case, it has come under our notice time and again in this (Chicago) market at least how little actual cash returns the grower realizes for all of this big cut or the greater part of it through it being poor colored and having short stems. In Chicago last fall lots of this kind of stock went to waste and what was sold brought only 40 to 60 cents per hundred, and this is the time that field grown stock has the advantage and is piling up the average number of blooms cut per plant over those which have been grown inside.

About the commencement of October our indoor grown plants will have begun to get in their work and the flowers can be disposed of readily at a good price, due mostly through their having a longer and much better stem and also being finer in color. It has been our experience with several varieties for them to throw a big crop of blooms the first month or two after being lifted from the field, but after that crop has gone and we get along into December and the dark days commence, they seem to suddenly take a standstill and do not budge, no matter how we try to encourage them. The blooms are worth two or three times as much now to what they were six or eight weeks ago, and we have often wished our big cut of a few weeks back could have been switched from then till now. To bring this about has been our aim, by growing the plants inside, and from the way they have done with us so far we feel greatly encouraged.

Through close observation we have found that the wood does not get so hard on the indoor grown plant as it does on those lifted from the field. We also find they keep up a more active growth throughout the entire season, producing a steady crop of long stem fancy blooms far beyond what we have been able to do in the same houses and under the same conditions with field grown stock.

The indoor grown plant will not make as large a plant or produce as much grass, neither will it throw so many short jointed growths, which with some varieties rarely amount to anything. This allows them to be planted closer together; we have all our plants set ten inches apart each way this season, and we find that though we may not realize so many blooms per plant there is very little if any difference in the cut from the area of bench occupied between outdoor and indoor grown stock.

It has come to our notice of growers trying this method of culture by planting 25 to 50 each, and sometimes less of several varieties on the one bench under the same condition and given the same treatment; we fail to see how this can be called a fair test, for this is not enough plants of

each variety to try the method properly, neither will two varieties, except in a few instances, respond as they should do under the same treatment.

The cultural method we have followed is to select January or February rooted cuttings and pot them up into thumb pots, after which they are given the same treatment as the young stock intended for planting in the field. We always aim to keep them as cool as possible, with plenty of light and good ventilation. Care must be taken to prevent them from drying out too much, also never allow them to become pot bound. We find the thumb pot large enough to carry the plant along to the end of March or beginning of April. They are then potted up into 3½-inch pots and if the weather is favorable can be set outside in cold frames, keeping them a little close for a few days, after which they will need all the ventilation you can give them. As soon as the weather will allow the sash is removed entirely, replacing them should we have a cold or rainy spell. They will need going over every little while and the tops pinched out to encourage them to break up from the bottom.

We find this size pot large enough to carry them along till planting out time, or, in other words, to the end of June or the beginning of July, but should any of the plants show signs of suffering or begin to get hard we would advise giving them a larger pot.

After the house is all ready and the soil has been made as firm as possible the plants are set ten inches apart each way, care being taken that the plants are not at all dry when being planted. After they are set we water the plants only, leaving the rest of the beds until they have got well hold of the soil, and when the time comes to give the bed a good watering we go over it to make sure that it is as even and as firm as possible.

After this the general routine of our work is to keep a watch on them to see that they do not become too dry. Particular care should be taken to have the soil of the same condition clear through. We do not advocate giving the beds a mulch so early after planting as this; our method is, keep the surface loosened up with a hand rake, which we find answers the purpose just as well, preventing the soil from becoming baked, and enables us to judge its condition better. We do not allow the beds to get too wet, but keep them as much as possible in a pliable condition, watering only when dry, and then thoroughly.

As a matter of course, all the ventilation possible should be given, the more the better. We do not shade the glass at all, only during planting time. In very hot weather we give the plants a good syringing and dampen the walks every day. With this treatment we have never been troubled with thrip or red spider. After the plants get started they will make a rapid growth, and if neglected begin to get

drawn and throw up flowering shoots. Herein we believe lies the secret of whether we are going to make a success of our indoor grown plants, for if not systematically pinched back they become straggling and with no bottom or foundation to them.

The plants we set out last season on June 20th were by Sept. 1st a solid mass of fine wood from one end of the house to the other, and not a diseased plant among them. Twenty will easily cover the total loss from stem rot out of eight thousand plants during the entire season. About the middle of September the plants are ready for staking, after which a thin mulch of well rotted cow manure is put on, and from this on the usual winter culture is given them.

These lines are not intended to imply that the only way to get fine carnations is to grow them under glass throughout the entire season, for it is demonstrated on every hand that grand stock is being produced from plants lifted from the field, but whichever method is adopted, the only way to attain success is to keep everlastingly watching each little detail and requirement of your plants.

SUB-WATERING AND DRY AIR IN GREENHOUSES.

By J. C. ARTHUR, of the Purdue Experimental Station.

[Read before the Philadelphia Meeting of the American Carnation Society.]

The time was when acceptable greenhouse culture called for a maximum growth without close inquiry into the question of healthy and normal development. The ideal of the gardener was a tropical jungle with steaming atmosphere and a wealth of luscious foliage and flower.

The use of glass houses for winter production of vegetables and flowers, delighting in cool weather, such as lettuce, radish, rose and carnation, brought with it some modification of the tropical ideal. But doubtless the most potent factor in changing the point of view has been the pressing necessity for protection against the many destructive parasitic diseases. When the rust, smut, rot or mildew carried off a crop, as it did much oftener and more completely than in the open air, an inquiry into the causes of the epidemic revealed advantages in methods that eliminated the conditions that favored the growth of the fungus as fully as could be done without interfering with the growth of the crop. Incidentally it was learned that the old-time notions regarding greenhouse methods could be profitably modified, and a spirit of inquiry and willingness to change has been engendered, especially a desire to adapt the conditions to the fundamental needs of the crop grown, if such knowledge can be obtained.

In citing the chief factors in changing the ideals in greenhouse culture one must not forget the subtle but po-

tent influence of the long stemmed flower. To meet the demands of fashion for a large flower upon a strong leafy stem of considerable length, very fortunately a demand that rests upon a healthy taste, although one that is sometimes carried to extremes, the florist has been obliged to inquire into the conditions that especially promote a vigorous yet substantial development. Besides producing a large flower upon a long stem, thorough business success requires that the petals be of a lasting texture and the stem firm and substantial, and that each plant shall produce a maximum number of such blooms continuously for the season. Only highly bred plants, strengthened along every hereditary channel, kept under conditions for well-balanced and healthy development, can meet these exacting requirements.

A clear conception of the problem shows some radical defects in the old-time methods of rearing plants under glass. A year ago, in my paper before this society under the caption, "Moisture the Plant's Greatest Requirement," I presented reasons for believing that for the flowers and vegetables usually grown in commercial greenhouses, wrong ideas prevailed regarding the distribution and application of moisture. I pointed out that the plant would thrive best, especially the carnation, when the air was moderately dry, and the soil moist beneath and dry on the surface. To secure these conditions I advocated the abandonment of surface spraying and watering, and the substitution of uniform watering from beneath the soil.

My experience in presenting new methods to those who should presumably take the liveliest interest in them does not lead me to be sanguine of much support. I am often reminded of an attempt I once made to do a service to some elderly persons who lived in a small town away from the direct lines of railway. Bananas were practically unknown in that region, and upon visiting them I carried some along at considerable inconvenience to myself. I expatiated upon the merits of the new fruit, but my friends would only take very small nibbles, and promptly came to the conclusion that they did not care for it, and said that I had better eat it myself, if I thought it was good. Some years afterward, when the town had grown and the shops were abundantly stocked with imported fruits, I paid a visit to the same old folks and found that bananas had become their special delight, and to live without them was a hardship.

So I had thought that subwatering, especially in large and progressive establishments, might come about in time, and naturally have been greatly surprised and gratified to learn that on the contrary it has been taken up with promptness, both by large and small growers, and not at all in a gingerly manner, but on a scale that is

likely to demonstrate its good and weak points with reasonable clearness.

The present paper is intended as a supplement to the former one, to strengthen some of the theoretical points and to amplify some of the practical details. In the first place I wish to call your attention to an able paper by Dr. W. Wollny upon the influence of atmospheric moisture on the growth of plants, published a few months ago. The work was carried on at Munich in the experimental grounds of the Bavarian Agricultural College. Farm crops growing in the open field, including alfalfa, hairy vetch, barley, flax and potato, were used; and in order to control the amount of moisture in the air the experimental plants were covered with small houses, about three feet by six and five feet high, having glass on three sides. These houses were in groups of three, one having air like the outside air, one having it more moist and one much drier. The plants were enclosed and observations taken throughout the whole growing season, the houses being large enough to permit normal development. The extra moist air was secured by allowing water to drip upon blotting paper, and the extra dry air by using an absorbent like chloride of calcium. The work was well carried out and the results can evidently be accepted with confidence.

The well established conclusions may be summed up in a few sentences, the details not being especially important in this connection. It is particularly interesting to learn that the ash content is always greater in plants grown in dry air, and even the dry weight is usually more, which, being interpreted, means that in the dry air more water passes up through the plant, bearing with it more food material derived from the soil, and that this induces an increased production of solid matter in the plant.

All parts of the plant become firmer in dry air, the woody fibers increase in strength, and the cuticle in thickness. This insures a more substantial development, and in most cases brings about a heavier harvest. It is exactly in line with the aims of the florist, who wishes cut flowers that will ship well and that will stand up well in heated rooms.

A feature that is not so acceptable was the shortening of the stems and contraction of the leaves in the dry air, which was very marked in every trial. This is undoubtedly due, as the author has indicated, to the loss of water from the foliage being so great in the dry air that the roots were unable to take it up fast enough from the soil to maintain the internal pressure, which necessarily prevented the cells from duly expanding. That the difference in size of the organs was chiefly due to a deficiency of water supply is also evidenced by the failure of the potato tubers to properly increase and fill with starch in plants grown in dry air. Of course it re-

mains an open question whether the roots would really take up sufficient water, if it were supplied to them abundantly, to provide for the evaporation, and still keep up the necessary internal pressure for maximum growth. This is a question that can only be answered by actual experiment, which so far is lacking.

From the Bavarian investigations we may safely infer that a moderately dry atmosphere promotes the substantial development of ordinary plants, increases the strength of stem and firmness of tissue, but that the full benefits can only be derived when there is an adequate supply of moisture for the roots. We may also believe from the knowledge we have derived from other sources, that plants in a dry atmosphere are less likely to take diseases.

However, we are chiefly interested at present in the plant's demand for water. What has already been said is enough to indicate that the plant should have as much water supplied to it as can be taken up by the roots. I believe no argument is needed to convince my hearers that for greenhouse crops subwatering is immensely superior to any system of surface watering. Since the presentation of my paper before this society a year ago, many articles have been published commendatory of the method, and a number of practical and theoretical points elucidated that were not touched upon in my necessarily brief paper.

From what has been published, and from my rather extended correspondence, I am more fully than ever convinced that the use of tile for supplying water, and makeshifts in place of a thoroughly watertight bench bottom, which are generally selected on account of cheapness, are likely to bring disappointment. The most satisfactory lining, probably in the order named, is zinc, galvanized iron, or cement, which should extend three or four inches up the sides of the bench, or to the top, if the expense does not seem too great. The bottom is then covered with four inches of porous bricks, set so close together that soil will not drop between them; and ample space is provided for water and air to circulate freely by removing about a half inch of the lower edges of the bricks before setting. The bed is then filled with soil in the usual manner.

Water is run into the bottom of the bench, through an inch tube set at intervals of five to ten feet along the front edge, or an even better way probably is the plan I recently saw in use in Mr. Fred Dorner's houses, of using a flue about two by six inches instead of the tube. Mr. Dorner's plan permits water to be run in a little easier from the hose, and does away with any necessity for a gauge, as the bottom of the bench can be readily seen through the flues, and the presence or absence of standing water noted.

Overflows should be provided at the

back of the bench, so that only a certain depth of water can be added, even by the most careless workman. These can be placed at two inches above the bottom, which experience shows to be about right.

These items cover the essential features of what is believed to be at present the most perfect system of subwatering. So far as the application in commercial houses has come to my knowledge there seems to be misapprehension of the full philosophy of the system. The soil should at all times be well supplied with air, which largely comes from beneath, and therefore should not be kept too wet. Unless benches are made far deeper than usual, water standing in the bottom of the bench any large part of the time can not fail to keep the soil too wet, besides depriving it of the circulation of air that should take place through the brick. It must be remembered that the bricks continue to supply water to the soil above long after it has entirely disappeared from the bottom of the bench. The usual depth of soil is scarcely enough for this system, even with the most judicious attention. It would be better to have five or six inches of soil above the bricks, and then an inch of the surface soil can always be kept dry to act as a mulch and a protection against fungi.

After a bench is first filled, water should be applied cautiously and time enough given for the slow process of diffusion. It will take from one to three days for the moisture to appear at the surface after water is run into the bottom. Water enough for the operation can be supplied in two or three applications; what more is added tends to puddle the soil and injure it. Patience is needed for this first watering, for it can not be hurried, but can easily be overdone.

In all subsequent watering it must be borne in mind that it takes a long time for the water that is put in the bottom to reach the upper layers of soil, and that no water is lost. At first, when the plants are small, it will probably be sufficient to water them once in one or two weeks. By a watering is meant to run water into the bench until it runs out at the overflow. In three or four hours it will all have been taken up by the bricks, and will be given up slowly to the soil. As the crop grows, watering must be more frequent, but will rarely need to be oftener than once in one to three days. If the surface of the bench does not keep dry, too much water is certainly being applied. The amount to be used must be a matter of experience, and requires careful judgment. The tendency at first is to overwater. The process is so different from the usual surface method of watering that some time and close observation are required in order to fully master it, and obtain the greatest advantage from it.

It will be a convenience in construction and give greater control over the watering, if the benches are divided

into lengths of 25 or 30 feet by partitions. These sections can be at different levels, which will also provide for the slope in long houses.

Experiments carried on since my last paper make it certain that the extra feeding of the plants can be done by applying the liquid fertilizer through the bottom, of course taking care that no solid material is allowed to pass in to clog up the spaces beneath the bricks. This does away with all surface applications.

If now the house be piped for water by running a line along the front of each bench, with an opening for each section of bench, the whole house can be watered at once with the opening and closing of a single stopcock. The saving of labor which this change implies must go some ways toward meeting the additional first cost of construction.

There seem to be but little remaining that calls for the services of the Experiment Station. If it is found that the stations have done a signal service to commercial horticulture, as it now appears, they ask nothing in return but commendation, and a support that will increase their usefulness.

SECRETARY'S REPORT.

Mr. President and Gentlemen of the American Carnation Society: Your secretary reports having issued the proceedings of the last annual meeting in due time and mailing the same to all those members who were not in arrears for dues.

He also reports having issued a set of the Constitution and By-Laws, as revised at the Chicago meeting, and forwarding a copy to each member in good standing.

At the beginning of our present fiscal year we had 107 active members; this number has been increased to 134, and will no doubt be further increased at this meeting, thus making this the banner year of the society. There is, however, no reason why we should not have at the least 1,000 members, and with the increased revenue thus derived do much work we now find impossible to undertake.

Members should not forget that their secretary is always ready and willing to extend any information regarding society work and to receive any suggestions for the welfare of the society, and thinks much better work could be done if they would continually keep in touch with the society through their secretary. Respectfully submitted,

ALBERT M. HERR, Secretary.

NOMENCLATURE.

Mr. President and Gentlemen of the American Carnation Society: There have been registered since last report twenty new names. In order to accomplish this your secretary has written to the owner of a new carnation as soon as its name appeared in the trade papers, asking him to register it.

It is only a matter of time until no carnation will be offered to the trade without being registered, as it is almost impossible to avoid duplicating names without a record being kept. Schleys and Deweys would have been duplicated three and four times this season if we had no registration.

Members who know of a name being used commercially should suggest to the user the necessity of registering it. The cost is only one dollar and the carnation that is not worth a dollar for registration is not worth offering to the buyers of new varieties.

A complete alphabetical list of names will be printed in this year's proceedings, with the descriptions of those registered, and the names of the introducers, so that it will be well to fall into line at once.

ALBERT M. HERR, Secretary.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

520-535 Caxton Building, Chicago,
334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/4 page, \$13.50; full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.
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CUT FLOWERS VERSUS PLANTS.

It has been more or less interesting to read the several contributions to horticultural literature which have arisen from the remarks of Mr. Herr. I have read and reread the latter's letter and cannot see any just cause for such a harsh but witty reply from the sage of Cottage Gardens.

The control or character of the trade in plants or flowers at the season of great demand, Christmas principally, next Easter and again to some extent at Decoration or Memorial day, will be little influenced by what florists write, but will be guided by the taste and, much more, the business sense and observation of our customers. People, particularly our best flower buyers, have learned, at these times when everybody wants a flower of some sort or kind, that they have to pay a high price, receive an inferior article, a delayed delivery, altogether an unsatisfactory bargain, and, as a burnt child avoids the fire, so they have learned that for the price of a dozen second class roses or 100 violets, or even half the price, they can get a pretty plant that in condition will be perfect, will last six times as long and be altogether more acceptable to the recipient.

I am assuming that the great bulk of our trade is in purchases which are bought to send to friends. Now, I have

noticed that constant good, and I may call them perennial flower buyers, those who want roses, carnations, lily of the valley, violets in their season, and the best quality always, will switch at the times above mentioned and select plants, or largely so. They know they will get more for their money and be better served when there are ten customers for every flower, but just as soon as these few days of famine are over they return to their steady love of cut blooms and ask for nothing else. How evident it should be to the cultivator of cut flowers and the plant grower as well that it is a blessing that the wants of our customers can be filled satisfactorily, if not with cut flowers then with a plant at these seasons of great demand. It is not extravagant to say that if our sales at Christmas were confined to the regulation cut flowers we handle a majority of the would-be purchasers would be obliged to do without any of our product and be compelled to satisfy their good nature in a package of candy or Christmas cards. The extraordinary demand at the holidays and a few other days in the year has led several men to think they were warranted in increasing their area of glass so that they could supply all demands every day in the year.

The most rudimentary knowledge of the florist business impresses us with the fact that if we had enough carnations, roses, violets, etc., to supply our customers, either wholesale or retail, at Christmas we should certainly have an overwhelming supply to go to waste many other weeks of the year. We can produce no more roses, violets or carnations in the dark days of December than we can in October, and everybody knows to the contrary, much less. It is true that a few of our leading flowers could be produced in unlimited quantities, for instance, valley for Christmas and bulbous stuff for Easter, but these do not fill the bill and the man who forced immense quantities of these for certain occasions would run a great chance of losing money.

The public expect to pay an advanced price on certain occasions, but with the good round price expect a good article, and that is often more than they get. The curse of the holiday trade is the hoarding up of flowers for the last day. We are all more or less afflicted with this foolish weakness, but I know of a few who intend to do better in the future. For a week before and at least a week afterwards flowers bring as good a price as they do Christmas eve; then why disappoint your customers who want to use them when they desire, not when it suits you to pick them. Sell them when you can, you will never give great offense to a customer by being unable to fill, or rather refuse, an order when sold out, but all of us in our time have lost patrons by taking orders that we were unable to fill satisfactorily.

Our experience in prices in regard

to the three leading cut flowers, roses, carnations and violets, is that we have to pay our commission man for the two weeks round the holidays about double the rates of the usual winter prices and we are under the impression that the grower gets these advanced prices; if not, why not; and if he does not then the commission man is not what his name implies, but a dealer, and has no right to his 15 per cent. The plantsman runs some risk that his goods may not all sell, but if he is a man of experience and judgment he will have his stock well balanced.

To conclude these rambling observations, the plant trade at the several seasons of great demand is a blessing all around. The storekeeper likes the trade, it allows many thousand feet of glass to be profitably occupied that are not adapted to growing high class flowers. It gives the public, whether endowed with a large or small purse, a chance to gratify its wish in a satisfactory manner, and it has not the slightest effect on the occasional or regular cutflower buyer at any time, except when the demand is abnormal; and the plants are no more likely to displace the demand for cut blooms to the extent that it will in the slightest hurt the grower than that we will all emigrate to Borneo and grow Phalaenopsis flowers for the New York market.

WM. SCOTT.

THE BOSTON TRADE EXHIBIT.

The annual trade show of novelties, of carnations, and other florists' stock, which takes place at the flower market in Boston on Saturday, February 25, is under the able management of Mr. Nicholson, the president of the American Carnation Society, and Mr. Stickel, president of the Boston Cut Flower Growers' Association. They are making preparations for a grand show and visitors from the western and middle portion of the country to the Philadelphia convention should start out with the intention of visiting New York and Boston before they return home, and if they have anything to show to bring it on, also.

Cut blooms should be sent so as to reach Boston on Friday, the 24th. This will give same ample time to recover from the effects of a long time on the road. Have all shipments made to Mr. John Walsh, manager of the Floral Market, 1 Park street, Boston, Mass.

Blooms of novelties unaccompanied by the owner or his representative will if so instructed by the owner, be sold by the management of the market for the benefit of the exhibitor, a small commission being charged to defray expenses.

Intending exhibitors will please notify the secretary and state number of blooms and varieties they expect to ship, and if they intend to compete for the prizes offered. All information and circulars will be given upon application to the secretary of the committee; also articles of competition for the

Breck Cup and the Cottage Garden Cup.

Take advantage of the opportunity to reach New England growers, and signify your intention to exhibit by communicating with

W. S. PHELPS, JR.,
Cohasset, Mass.,
Secretary to the Committee.

PASADENA, CAL. — The annual "tournament of roses" was held here January 2 and was successful, despite the fact that rain lessened the number of decorated vehicles in line.

FORT DODGE, IA.—Mr. Larson, who now has charge of the Kellenberger Nursery, will build a range of five or six greenhouses in the east part of the city the coming spring. Mr. Larson was formerly connected with the Rennison greenhouses, of Sioux City. Mr. Kellenberger will continue the business after his lease on the grounds expires, some time next summer.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

FOR RENT OR SALE—First class retail stand, 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAU, Springfield, Ill.

SITUATION WANTED—A florist and decorator of unquestionable ability, desires situation in large city. Is employed at present but has good reasons for desiring to make a change; best of references. Address 19, care Florists' Review.

SITUATION WANTED—By experienced, all round commercial florist. Address X, care Florists' Review.

FOR RENT at once or the first of March, a Floral establishment in the thriving city of Elgin, Illinois. Located in the best residence part of the city. 10,000 ft. of glass. Owner is prevented by sickness from running the establishment. Call, or address H. Schlaack, 311 Spring Street, Elgin, Ill.

A BARGAIN.—If you want to purchase a large, first class greenhouse establishment, as good as new, modern improvements and well stocked, must be sold on account of outside business, write Sacrifice, care of Florists' Review.

SITUATION WANTED—After March 1st, by A1 grower of roses, carnations, violets, mums, general stock, etc. 17 years' experience in all branches of floriculture. Address W., care of Florists' Review.

SITUATION WANTED—By a single German, age 36, as an assistant in greenhouse, has had 15 years' experience; private or commercial place. Address H. W. H., Florists' Review.

SITUATION WANTED—By middle-aged garden-er and florist, thorough in all branches of horticulture; married, no children; good habits; best references; private place preferred. Address E. M., care Florists' Review.

SITUATION WANTED—By good all 'round grow-er: single, 30 years' old; best of references. Address K. L., care Florists' Review.

SITUATION WANTED—By practical florist; German, 38 years of age, with 21 years' experience in roses, carnations, violets, and general bedding plants, can furnish the best of references. Address C. H., care Florists' Review.

FOR SALE OR RENT—A first class greenhouse establishment of 30,000 feet of glass, 2 1/2 miles from city limits. Might form partnership with a first class grower. On account of larger outside interests present owner can pay no attention to the growing of flowers, but can dispose of the output to good advantage and manage the financial part. A splendid chance for an able man. Apply beginning of March to No. 25, care Florists' Review.

THE NEW FANCY CARNATION— ...Sandusky



One-Half Natural Size.

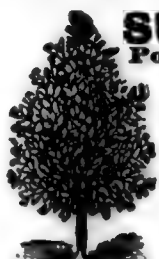
I have been selling the flowers of this fine new Variegated Carnation, and have found it one of the best selling Carnations I ever had; in fact, it sells itself. My customers say it's a dandy, and something they have been looking for. Among the Chicago retailers to whom I have sold blooms of Sandusky are H. F. Halle, Klunder Floral Co., F. C. Mendonza, Central Floral Co., Jno. Mangel, A. McAdams. They all say it is a fine seller, and come back for more. Mr. Hall has asked me to act as his Chicago agent for the sale of rooted cuttings of this novelty, which I gladly do as I can heartily recommend the variety to any one desiring a good, fancy carnation. It's a peach.

ROOTED CUTTINGS

\$2.00 per doz., \$10.00 per 100, \$75.00 per 1000.

W. E. LYNCH, 19-21 Randolph St. Chicago.

Mention The Review when you write.



SURPLUS STOCK AT SURPLUS PRICES.

Poplars—Carolina, 6 to 8, 8 to 10, 10 to 12 and 12 to 15 feet, Golden, Silver and Lombardy same sizes. Sycamore—European, 6 to 8, 8 to 10, and 10 to 12 feet. Magnolias—Acutinata, 4 to 6, 6 to 8 and 8 to 10 feet; Tripetala, Soulangeana, and Speciosa 1 1/2 to 2 and 2 to 3 feet, six other sorts 1 1/2 to 2 feet. Maples—Immense stock, leading sorts, all sizes, 6 to 25 feet. Mountain Ash—European and Oak Leaved. Willows—Laurel Leaf, Canescens, Rosemary, Etc.

In Weeping Trees, we offer immense lot of Willows, Kilmarnock, New American, Wisconsin and Babylonica. Mulberry—Teas Weeping, the finest lot we ever grew. Mt. Ash, Cut Leaved Birch, Etc.

In Vines and Shrubs—Ampelopsis, Veitchi, strong two year field grown. Clematis, Jackmani, Henryi, Mad. Ed. Andre, etc. Berberis—Thunbergii and Purpurea. Elder—Golden, Syringa—Golden. Spiraea—Van Houtte, Anthony Waterer, Thunbergii, etc. Lilacs—New Double Flowered in 8 varieties. Altheas, Deutzias, Snowballs, Syringas, Wiegandias, Etc., in great supply.

Roses—two years field grown, Hybrid Perpetual, Moss, Climbers; Wichuriana and Wichuriana Hybrids, Rugosa, and Rugosa Hybrids and Multiflora Japonica. Azaleas—Mollis and Pontica, fine bushy well-budded plants.

Forty-four Greenhouses well filled with Roses, Palms, Ferns, Ficus, Chinese Azaleas, Araucarias, Geraniums, Etc. Correspondence solicited. Catalogues and price lists free.

THE STORRS & HARRISON CO., Box 545, Painesville, O.

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DENNISON BROS. SAY:

South Side Floral Co. Gentlemen:—We received the Verbena cuttings and must say that they are the finest we have ever seen offered to the trade. We would certainly have favored you with all our orders this year had we known of the superior stock you were offering. Enclosed please find order for Double Fringed Petunias. Thanking you very much, we are, Yours truly,

DENNISON BROS., Bala, Pa.

VERBENAS—New Mammoth. Strong rooted cuttings, 60c per 100, \$3.00 per 1000; 5000, \$22.50.

PETUNIAS—Dreer's latest Double Fringed. Strong rooted cuttings, \$1 per hundred.

SMILAX—Strong bushy seedlings, ready for thumb pots, 50c per hundred, \$4.00 per thousand.

Express prepaid. Cash with order. Send for descriptive circular of Verbenas.

SOUTH SIDE FLORAL CO., - - - Springfield, Ill.

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Send for Price List!

We have a fine stock of 9 varieties of 1899, 24 of 1898 and ALL the best of the older sorts of

CARNATIONS.

Rooted Cuttings ready now.

GEO. HANCOCK & SON, Grand Haven, Mich.

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CARNATIONS

Rooted Cuttings of Novelties and Standard varieties. Send for price list.

Also Lady Campbell, Swanley White and California Violets and Giant Double Alyssum.

W. B. SHELMIER, - AVONDALE, PA.

Lock Box 10. Telephone connection.

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Verbena King

SAVS:

Jones pays the freight—So do we on all rooted cuttings, and until further notice we will sell our fine Mammoth Verbenas at 60c per 100, \$5 per 1,000; all well rooted, true to name, strictly free from rust or mildew. Our Verbenas go everywhere, it makes no difference where you live we guarantee to reach you in safety and guarantee satisfaction; what

more can you ask? Just try us and we will do the rest. We can fill all orders for Verbenas, it matters not how large the order may be, at the following prices: 60c per 100, \$5 per 1,000; 5,000 for \$22; 10,000 for \$40; 25,000 for \$95; 50,000 for \$175. Yes, and we have them, too.

AGERATUM, Cope's Pet, blue; Lady Isabel, white, 50c per 100; \$4.00 per 1,000.

COLEUS, 40 best named varieties, 70c per 100, \$6.00 per 1,000.

FUCHSIAS, named varieties, \$1.25 per 100.

CARNATIONS, Wm. Scott and McGowan, \$1.00 per 100, \$9.00 per 1,000.

THAT CASH, PLEASE.

Send for our new descriptive list.

TESTIMONIAL.

C. Humfeld. Dear Sir:—The one thousand Verbenas came in first class order and they are the picture of health. Many thanks for your kindness and generosity. Yours truly, E. W. Hicks, St. Louis, Mo.

C. HUMFELD, Clay Center, Kan.

THE ROOTED CUTTING SPECIALIST.

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Seasonable Seeds, Etc.

Clematis Paniculata, 75c per ounce. Ampelopsis Veitchii, Wistaria Magnifica (Blue), Hibiscus Crimson Eye, best named Dwarf Cannas, each 25c per ounce. 25,000 best French Bedding Cannas Roots, \$2 per 100. Double New Life Geranium, 2½-inch, 75c per doz. Weeping Lantana, 2½-in., 50c per doz.

BENJ. CONNELL,
Florist. West Grove, Pa.
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GET THE GENESEE If you want the best Commercial WHITE CARNATION.

Has with me during Dec., Jan. and so far in Feb., out-yielded S. Spray by nearly one-third. Seems to be a continuous bloomer; pure white, 2½-in.; no culls; does not split; does equally well in light or heavy soil. Have not lost a plant out of 1600 planted, nor seen a single case of stem rot. A strong grower. A few thousand to spare at the low price of \$3.50 per 100, \$30 per 1,000. Marie Louise Violets, Rooted Runners, 50c per 100. French Cannas, mixed, mostly Yellow, Dormant, \$3 per 100.

W. C. STROH, Attica, N. Y.

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FINE HEALTHY STOCK CHEAP. Per 100

Sweet Alyssum—double, 2½-in. pots \$2.00
Chrysanthemums—new and standard varieties 4.00
Geraniums—double Grant, 2½-in. pots 2.00
Geraniums—Snow on the M'tn, white leaved. 2.50
Heliotrope—finest dark, 2½-in. pots 2.50
Salvia—new Clara Bedman, fine plants 2.00
Coleus—Verschaffelti and Golden Bedder 2.00

CASH WITH ORDER, PLEASE.

NICHOLAS AMOS, - Crestline, Ohio.

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Fine Perles and Wootons

In 2-in. pots, as well as Beauties, Maids, Brides, Meteors, La France and Kaiserin—now ready. Send 50 cts. or \$1.00 for samples of what you want and prices. Carnations out of flats ready now. Can furnish Rooted Cuttings of all Roses except La France and Kaiserins. Write **GEO. A. KUHLE,**

Long Distance Phone 14. **PEKIN, ILL.**

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BRIDES and BRIDESMAID ROOTED CUTTINGS.

\$1.50 per hundred, - - \$12.50 per thousand.

What can you offer in trade.

H. M. Altick, Dayton, Ohio

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ROOTED CUTTINGS of New and Standard CARNATIONS....

Send for Price List.

P. O. Box 226 **WM. SWAYNE,** Kennett Square, Pa.

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ROOTED CUTTINGS.

Strong cool grown stock of Brides and Bridesmaid ready for immediate shipment at \$1.50 per hundred or \$12.50 per thousand.

Please mention Review when ordering.

L. L. MAY & CO.
ST. PAUL, MINN.

SPECIAL. LOW OFFER OF FERNS FOR TWO WEEKS ONLY.....

Being crowded for room in our Fern houses, we offer the following varieties at reduced prices for Two Weeks Only, and orders received on or prior to Feb. 28th only will be entitled to these reductions, after which date our regular quarterly list prices will again be in force.

	Per 100	Per 1,000		Per 100	Per 1,000
Adiantum Cuneatum 2-inch pots,	\$3.00	\$25.00	Lastrea Aristata Variegata 2-inch pots	\$3.50	\$30.00
Adiantum Cuneatum 3 "	5.00	40.00	Lastrea Opaca 2 "	3.50	30.00
Adiantum Cuneatum 4 "	10.00	90.00	Lygodium Scandens 2 "	3.50	30.00
Adiantum Pubescens ... 2 "	3.00	25.00	Microlepia Hirta Cristata 2½ "	5.00	40.00
Adiantum Fergusoni ... 3 "	8.00	50.00	Pteris Adiantoides 2 "	3.00	25.00
" Rhodophyllum 2 "	5.00	40.00	" Argyraea 2 "	3.00	25.00
Cyrtomium Fortuni 2 "	3.00	25.00	" Cretica Albo-Lineata 2 "	3.00	25.00
Davallia Stricta 2 "	3.50	30.00	Pteris Ouvardi 2 "	3.00	25.00
Pteris Serrulata Cristata, 2-inch pots \$3.00 per 100, \$25.00 per 1,000					

HENRY A. DREER, 714 Chestnut St., Philadelphia.

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Greenhouse Woodwork

Open-air-dried Cypress Lumber is more durable, and better suited to Greenhouse conditions than kiln-dried stock. But you cannot get it from those that are engaged in the business in a small way—even though their entire business is confined to greenhouse material—for it takes a long time for the lumber to thoroughly dry and this means an investment in lumber that only those of large capital can make. The only way to have air-dried lumber is to buy green lumber and hold it until it dries. Those that order dry lumber from the producers of Cypress get kiln-dried stock. It is cheaper for them to kiln-dry than to hold the stock long enough to season it in the open air. We carry a large stock and fill all orders with open-air-dried Cypress clear of knots, sap and all other defects.

WRITE FOR CIRCULARS
OR ESTIMATES.

Lockland Lumber Co.

LOCKLAND, OHIO.

Herr's Carnations.

YOU RUN NO RISK.

All Carnation Cuttings are sent out with the privilege of returning them at my expense if they are not found satisfactory on receipt and your money returned in full.

I have from 1,000 to 5,000 stock plants of each of the leading varieties, and offer Rooted Cuttings at very reasonable prices. Correspondence solicited.

UNCLE WALTER-- This is another one of Tidal Wave's many sports and I presume it is the same and just as good as any of its other ones. I can vouch for its goodness and that it is a scarlet sport from Tidal Wave. Rooted Cuttings can be had at \$5.00 per 100 or \$40.00 per 1,000, either from **JOHN MURCHIE,** Sharon, Pa., or **ALBERT M. HERR,** Lancaster, Pa.

ALBERT M. HERR,
LANCASTER, PA.

CRABB & HUNTER,

Violet Specialists. Orders received now for Spring delivery of Al stock such as produces a crop—Marie Louise, Farquhar and Lady Campbell.

CARNATIONS. Rooted Cuttings of Flora Hill, Evelina, Painted Lady, Firefly, Pingree, Morello and other standard varieties.

GRAND RAPIDS, MICH.

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The Cottage Gardens,

C. W. WARD, Manager. QUEENS, L. I.

**WHOLESALE GROWERS
FLORISTS' SPECIALTIES.**

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REED & KELLER,

122 W. 25th St., NEW YORK CITY.

Manufacturers of **WIRE & DESIGNS**
and Dealers in

FLORISTS' & SUPPLIES

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BARGAIN -- I must have room at once.

Geraniums, from 2 to 2½-in. pots, of the best kinds mixed, used by the wealthy people of Trenton, N. J., past season, now ready for 3½ or 4-inch pots, at \$2.50 per 100, \$20.00 per 1,000.

Rooted Cuttings Lizzie McGowan Carnation, at \$7.00 per 1,000. Cash.

B. F. MUSCHERT, Penn Valley, Pa.
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Brilliant Green and Bronze

GalaxLeaves

CHAS. H. RICKSECKER, Linville, Mitchell Co. N. C.
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Dreer's Reliable Flower Seeds

A FEW OF THE MANY SELECT STOCKS OF FLOWER SEEDS
FOR FLORISTS' USE WHICH SHOULD BE SOWN NOW.



DREER'S DOUBLE PETUNIAS.

	Trade Pkt.	Oz.		Trade Pkt.	Oz.
Ageratum Cope's Pet, dwf. deep blue...	\$0.15	\$0.40	Lobelia Crystal Palace compacta true	.40	2.00
Alyssum Little Gem, very dwarf.....	.10	.25	Speciosa, dark blue trailing...	.20	.75
Asparagus Sprengerii.....\$1.00 per 100			" gracilis, light.....	.15	.40
seeds, \$9.00 per 1000.			Maurandia Barclayana, purple.....	.25	1.00
Asparagus plumosus nanus...\$1.25 per			mixed sorts.....	.25	1.00
100 seeds, \$10.00 per 1000.			Mignonette, Allen's Defiance.....	.25	1.00
Aster Queen of the Market, white or			Machet, select stock.....	.15	.50
purple.....	.20	.75	Nasturtiums, full line of both tall and		
Aster Queen of the Market, mixed N....	.15	.50	Tom Thumb sorts, see catalogue		
" Paeony Perfection, finest mixed,	.30	1.25	for prices.		
" Victoria, finest mixed.....	.30	1.25	Petunia Dreer's Superb Single Fringed	.50	
" Semple's Branching, white, pink,			Double		
" lavender or crimson.....	.30	1.50	75c per 500 seeds.		
" Semple's finest mixed.....	.30	1.25	Phlox Drum. grandiflora, mixed.....	.15	.50
Balsam Double White Perfection.....	.25	1.00	" nana compacta.....	.30	1.50
Begonia Vernon.....	.25		Primula obconica grandiflora.....	.50	
Carnation Marguerite, white, scarlet or			Forbesi (Baby Primrose).....	.50	
rose.....	.50	2.50	Pyrethrum aureum (Golden Feather)...	.10	.30
Carnation Marguerite, choicest mixed.	.25	1.00	Salvia splendens (Scarlet Sage).....	.30	1.25
Centaurea Candidissima, 1000 seeds, 25c.			Bonfire.....	.50	2.50
Gymnocarpa, ".....	.15c.		Smilax, \$3.50 per lb.....	.15	.35
Clematis Paniculata.....	.20	.60	Stocks, large flg. 10-week, white, blood		
Cobea Scandens.....	.10	.30	red or pink.....	.50	2.50
Dracaena indivisa.....	.15	.40	Stocks, large flg., finest mixed.....	.40	2.00
Grevillea Robusta.....	.15	.40	Sweet Peas, all the finest sorts, for		
Helianthus cucumerfolius Stella.....	.10	.25	prices see catalogue.		
Heliotrope, finest mixed.....	.20	.75	Torenia Fournieri.....	.30	3.00
Humulus japonicus variegatus.....	.15	.40	Verbenas, Mammoth white, scarlet,		
Impatiens Sultana.....	.50		pink, purple or striped.....	.40	2.00
Ipomoea Grandiflora (Moon flower)...	.15	.50	Verbenas, Mammoth, finest mixed....	.30	1.50
" Imperial Japanese, finest mixed	.10	.30	Vinca rosea, rosea alba or alba pura...	.20	.60
Lantana hybrida, finest mixed.....	.10	.20	mixed.....	.15	.50

If you do not have our Wholesale Price List, send for it.

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

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Greenhouse Material

Of Clear Louisiana
Cypress and
California Red Cedar

BEST GRADES.

PERFECT WORKMANSHIP.

A. DIETSCH & CO.,

615 to 621 Sheffield Ave., CHICAGO, ILL.

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PALMS AND FERNS

The Largest Stock of
Plants in the West.

Geo. Wittbold, 1708 N. Halsted St. Chicago

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ANGUS MORRISON,

375 Lincoln Ave.

CHICAGO.

Greenhouse PIPE and

FITTINGS OF EVERY
DESCRIPTION.

Mention The Review when you write.

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NEPHROLEPIS CORDATA COMPACTA.

Foliage a very deep green, growth
strong and robust, making an ideal
pot plant. It sells better than the Boston Fern and will stand more rough usage.

The Grandest of all Sword Ferns.

WE OFFER very fine stock at
the following prices:

2 1/2-inch pots, \$.75 per dozen; \$6.00 per hundred.
3-inch pots, 1.25 " 7.50 "
4-inch pots, 2.00 " 15.00 "

Terms: Cash with order.

Address **H. W. BUCKBEE, Rockford, Ill.**

Lock Box 911.

FOREST CITY GREENHOUSES.

Mention The Review when you write.

Palms and Ferns...

WE HAVE A LARGE STOCK IN FINE CONDITION.
We guarantee safe arrival if shipped by Express.

CORRESPONDENCE SOLICITED.

Ellis & Pollworth, - Milwaukee, Wis.

Mention The Review when you write.

F. & F. NURSERIES, SPRINGFIELD, NEW JERSEY

Wholesale Growers TREES and PLANTS in Full Assortment.TRADE CATALOGUE FREE.

Mention The Review when you write.

Bowling.

Notwithstanding the cold weather, quite a number were at the alleys last Friday evening: Following are the scores:

	1st.	2nd	3rd.	4th.
J. Austin Shaw	82	135	123	109
J. S. Wilson	142	140	142	163
A. Lange ..	107	93	154	119
G. Asmus ..	150	161	155	151
W. Kreitling ..	96	118	...	...
A. Henderson ..	137	147	117	128
Rowe ..	99	105	80	123
E. Winterson ..	119	119	128	...
C. McKellar ..	131	112	150	...
J. Hartshorne ..	174	...	...	...

ST. LOUIS.

The Market.

The continuance of cold weather, such as we have had here for the past ten days, had a very depressing effect on trade, and the greenhouse men had to keep a sharp lookout so as not to be frozen out. The store men had a hard week, not that business was any too good, but nearly all the work done was for funerals and to make deliveries without being frozen was a hard job. The lowest point reached by the thermometer was 23 degrees below zero.

The result is that stock of all kinds is short and prices have gone up somewhat. Commission men report some good shipping orders, which need a great deal of attention in wrapping.

The past week Brides and Maids sold from \$6 to \$10; Meteors, same; Perles and Woottons, \$4 to \$6; Beauties keep scarce, price \$2.50 to \$35 for good stock. Carnations are good, but not over plentiful. Prices run from \$2 to \$5, but only the extra fancy bring \$5. Violets have taken a jump and are not so plentiful. Californias are 50c; single, 15 and 25 cents; doubles, 50c; no Southern ones came in the past week.

Bulb stock is fine and sells better than ever before. Romans bring \$2 to

[Continued page 286.]

F. F. BENTHEY, MANAGER.

BENTHEY & CO.,
Wholesale and Commission
FLORISTS,
41 Randolph Street, CHICAGO.

Consignments solicited.

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Cincinnati
Cut Flower Co.

416 Walnut St. CINCINNATI, O. Wholesale Florists

Consignments Solicited.
Special Attention Given to Shipping Orders.
Mention The Review when you write.

Max Rudolph

WHOLESALE FLORIST,
11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.
Mention The Review when you write.

REINBERG BROS.

600,000
FEET
OF
GLASS.

Wholesale
Growers of

Cut Flowers

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.

51 Wabash Ave., CHICAGO

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Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of
and Dealers in **CUT FLOWERS**

Greenhouses at Hinsdale, Ill.

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Lynch
WHOLESALE FLORIST.
19-21
E. RANDOLPH ST.
CHICAGO

Our prices are as low as any
and our stock superior.
We ask for a trial order.

Mention The Review when you write.

A. L. RANDALL

Telephone
1496



Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better prepared than ever to handle your orders.
Mention The Review when you write.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.
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HOLTON & HUNKEL CO.

Wholesale Florists
And Florists' Supplies.

Phone 874.

WIRE DESIGNS—OUR OWN MAKE

457 Milwaukee St.

P. O. Box, 103.

Milwaukee, Wis.

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Wholesale Price List.

AMERICAN BEAUTY

Extra long stem .. per doz.	\$5.00
24-inch stem	3.50
20 "	2.50
15 "	2.00
12 "	1.25
8 "	1.00
METEOR	per 100, 6.00 to \$8.00
BRIDESMAID	6.00 to 8.00
BRIDE	7.00 to 10.00
PERLE	5.00 to 6.00
CARNATIONS	1.50 to 2.00
" fancy	3.00
Roman Hyacinths ..	2.00 to 3.00
Valley	4.00
Daffodils	3.00

Quotations subject to change without notice.
All other stock at lowest market prices.
No charge for packing.

C. A. KUEHN WHOLESALE
FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.
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ST. LOUIS
Cut Flower Co.
Wholesale Florists,
1322 Pine St.,
ST. LOUIS, MO.

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ELLISON & TESSON,

WHOLESALE SHIPPING

FLORISTS

3134 Olive Street, ST. LOUIS, MO.
...Home Grown Stock...
Mention The Review when you write

C. W. WORS,

2740 Olive Street, - - ST. LOUIS, MO.

Flowers at Wholesale

ROSES, and a full line.

Headquarters for the Southwest.
Mention The Review when you write.

Maplewood Cut Flower and Plant Co. GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We have the largest plant west of Chicago.

Store: 908 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.

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KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES,

88 Wabash Avenue, ^{Rooms} 22 and 23.

Long Distance Telephone
Express 488.

CHICAGO, ILL.

CHOICE FLOWERS AT LOWEST MARKET RATES.

Evanston Carnation

IS A BREAD.....
WINNING SCARLET

ROOTED CUTTINGS....

\$ 7.00 per hundred,
60.00 per thousand.

500 at the thousand rate.

Orders booked now.

PRICE LIST.

MISCELLANEOUS.

Romans	\$2.00 to \$3.00
Narcissus	3.00
Tulips	2.00 to 4.00
Valley	3.00 to 5.00
Violets .....	.50 to 1.00
Daffs	2.00 to 3.00

DECORATIVE.

Asparagus, Per string	\$.50 to \$.75
Ferns, Per 100, 20 cents	per 10 0. \$2.00
" Maiden Hair	per 100, \$1.00
Galax, Bronze and Green	per 100, 20 cents; per 1000, \$1.25
Smilax, Common, very fine strings	per doz., \$1.50

All Other Flowers in Season at Lowest Market Rates

Above quotations subject to change without notice. P. and D. at cost.

Extra select and inferior qualities charged for according to value.

Store open from 8:00 A. M. until 6:30 P. M.

Sundays and Holidays closed at noon.

PRICE LIST

ROSES.

Am. Beauties, long, per doz	\$5.00 to \$ 8.00
medium, per doz	2.00 to 3.00
short	1.00 to 1.50

Meteors, Maids, Brides and Kaiserin	Per 100 6.00 to 8.00
Perles	4.00 to 5.00
Roses, seconds	4.00

CARNATIONS

Are Our Specialty.

	Per 100
Fancy varieties	\$3.00 to \$5.00
Ordinary varieties, se- lect	2.00
Ordinary varieties, good average	1.50

MISCELLANEOUS.

	Per 100
Alyssum	\$.30 to \$.40
Freesia	3.00
Marguerites .....	.75
Mignonette	1.50 to 2.00
Forget-me-not	1.50
Callas	12.50 to 15.00
Harrisii	12.50 to 15.00

**KLEHM'S
NOVELTY
TULIPS**
Sold by all
Commission Men.

We Stake Our Reputation on

Evanston Carnation

IT IS JUST WHAT WE
CLAIM FOR IT

ROOTED CUTTINGS.

\$7.00 per hundred, \$60.00 per thousand.
500 at the thousand rate.
Orders booked now.

CARNATION CUTTINGS.

Jubilee and Triumph, the best red and pink, rooted, strong and clean, \$1.40 per 100 not rooted, strong and clean .....	.75 "
Albertini and Della Fox, very fine stock, rooted, strong and clean	\$1.50 per 100
not rooted, strong and clean	1.00 "
Daybreak, Ivory and McGowan, rooted, extra strong	\$1.00 per 100
not rooted, extra strong .....	.50 "

CASH WITH ORDER.

LE MARS GREENHOUSES, Le Mars, Ia.

Mention The Review when you write.

ST. GLAIR CO.

CARNATIONS.....

ROOTED CUTTINGS. NO DISEASE.

Rose Queen, Wm. Scott, Emma Woher, Day-
break, Alaska, McGowan, Ruby, Jubilee, \$1.50 per
100, \$12.00 per 1000; Alyssum Double, \$1.00 per 100.

A. G. FEHR, Belleville, Ill.

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When Writing Advertisers

PALMS

All Home Grown, Strong and Healthy.

All Measurements are from Top of Pot, and don't you forget it.

ARECA LUTESCENS.

	Height.	Per doz.	Per 100
4-in. pot, 3 Plants, 15 to 18 in.	\$ 3.00	\$25.00	
5 " 3 " 20 to 22 in.	6.00	50.00	
6 " 3 " 22 to 26 in.	9.00	75.00	
6 " 3 " 28 to 30 in.	12.00	100.00	
12 " 3 " 60 to 72 in., very bushy, ea., 10.00			
A few bushy specimens, 14-in. pot, 1/2-ft. high, ea., \$25			

JOS. HEACOCK,

WYNCOTE, PA.

Mention The Review when you write.

COCOS WEDDELIANA.

	Height.	per 100, \$10.00
2 x 3-in. pot, 1 Plant, 6 to 8-in.	per 100, \$10.00	
3 " 1 " 8 to 10-in.	" 15.00	
4 " 1 " 15 in.	" 40.00	
5 " 1 " 15 to 18-in., ea., 50c.; doz. 6.00		
5 " 3 " 15 to 18-in., ea., 50c.; doz. 6.00		

KENTIA BELMOREANA.

Leaves.	Height.	Per doz.	Per 100
3-in. pots, 4 to 5	10 to 12-in.	\$4.00	\$ 25.00
4 " 5 to 6	15 to 18-in.	6.00	50.00
5 " 5	18 to 20-in.	12.00	100.00
6 " 6	18 to 20-in.	15.00	125.00
6 " 6	24 to 30-in.	18.00	150.00

Burpee's Seeds Grow

Always mention the Florists' Review when writing advertisers.

E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention The Review when you write.

\$4; daffodils, \$3; Paper Whites, \$4; Dutch hyacinths, \$3 and \$4; tulips slow at \$2 and \$3; Harrisii, \$15, and Callas, \$10 to \$12.50; freesias from \$1 to \$3; sweet peas, \$2; smilax good at \$12.50.

Club Meeting.

The February meeting of the Florists' Club was not well attended, as the growers could not come in on account of the cold weather. About a dozen were in attendance, including Mr. John Degnan, of Chicago, who was a visitor. The different committees reported and were given time until next meeting to make their final report. J. F. Windt was elected to membership by a full vote.

A motion was made to hold a chrysanthemum show this year. Owing to the small attendance this motion will be acted upon at the next meeting in March. The chair appointed a committee of three—J. J. Beneke, J. W. Kunz and C. A. Kuehn—to look up a place to hold same, ascertain best terms and report without fail at the March meeting. It was decided to have our annual carration meeting on March 9, our next regular meeting, and growers are requested to send their new varieties in care of any of our commission men who will see that they are well taken care of and properly staged. Mr. H. G. Ude again showed his new white seedlings Nos. 1 and 2, which were much admired.

All members who have not made returns for the euchre tickets must do so by next meeting or to any of the committee before the meeting.

Notes.

The Diemer Floral Co., of S. Broadway, have opened a branch under the Union Club hall at Jefferson and Park avenues.

Mr. W. Lawrence, formerly with Harry Rieman, has opened a store with Max Rotter at 1903 Park avenue, known as the Park Floral Co. Mr. Rotter still has his old place at 2412 N. Broadway.

Mrs. F. J. Fillmore has been quite sick the past week, but is reported better at this writing. This accounts for Frank missing the last club meeting, something that seldom happens.

[Continued page 288.]

REGULAR SHIPPING ORDERS RECEIVE
SPECIAL ATTENTION.**W. E. TOR BROS.****51 Wabash Avenue, Chicago.****WHOLESALE
GROWERS OF Cut Flowers**

We Are Headquarters for...

AMERICAN BEAUTIES,of which we cut from 2,000 to 3,000 daily. Our **Brides, Meteors, Maids and Perles** were never better.**OF CARNATIONS**

we grow 50,000 plants of all the leading varieties, and they cannot be surpassed.

Mention The Review when you write.

Wholesale Price List.

Am. Beauty, extra long stem, per doz.	\$5.00
" 24-in. stem	3.50
" 20-in. "	2.50
" 15-in. "	2.00
" 12-in. "	1.25
" 8-in. "	1.00
Meteor	per 100, \$6.00 to 8.00
Bridesmaid	" 6.00 to 8.00
Bride	" 7.00 to 10.00
Perle	" 5.00 to 8.00
Carnation	" 1.50 to 2.00
" fancy	" 8.00

All other stock at lowest market prices.
No charge for packing.**M. RICE & CO.**NEW ILLUSTRATED CATALOGUE
FOR THE ASKING.Exclusive Importers and
Manufacturers of**Florists' Supplies****25 N. Fourth Street, PHILADELPHIA, PA.**

Mention The Review when you write.

EASTER, 1899, IS COMING!Don't delay any longer
to order your

LILY OF THE VALLEY, the cream of the market, Berlin pips, large bells, \$12.00 per 1000.
CRIMSON RAMBLER, extra fine plants, \$35.00 per 100.
TUB. ROOT. BEGONIA HYBRIDA, in four separate colors, bulbs about 1½ inches diameter, \$2.50 per 100, \$20.00 per 1000.
GLOXINIA HYBRIDA CRASSIFOLIA ERECTA, \$3.50 per 100, \$30.00 per 1000.
CLEMATIS, RHODODENDRONS, SPIRAEA, PAEONIES, etc., now on hand.

Terms to unknown correspondents,
cash; otherwise, 60 days.**F. W. O. SCHMITZ, Jersey City, N. J.**

Mention The Review when you write.

100,000 VERBENAS,THE CHOICEST
VARIETIES
IN CULTIVATION

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

{ No Rust or Mildew.
Packed Light and
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention The Review when you write.

Chrysanthemums.We are Headquarters for all '99 Novelties.
Also complete list of best commercial varieties.
Our Catalogue Now Ready.**NATHAN SMITH & SON, Adrian, Mich.**

Mention The Review when you write.

**INSURE AGAINST
IN THE FIRE
Florists' Mutual
Fire Insurance Ass'n.**ADDRESS **W. J. VESEY, Sec'y,**
FORT WAYNE, IND.**Ornamental Shrubs,
HERBACEOUS PERENNIALS.**A specialty of Iris, Phlox, Pæonies, Pyrethrums,
Poppies, etc. Wholesale List on application.**JACOB W. MANNING,**The Leading ESTABLISHED 1864.
New England Nurseryman. **READING, MASS.**

Mention The Review when you write.

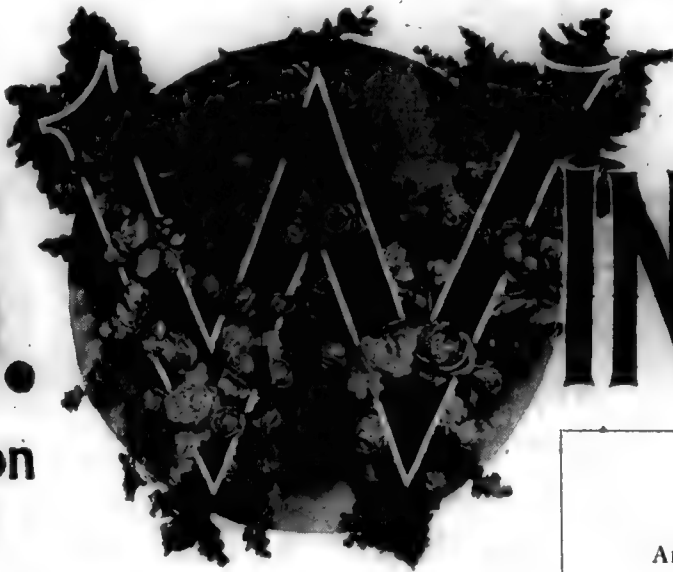
**NORWAY MAPLES
AND OTHER SHADE TREES.
\$20 to \$50 per hundred.**Descriptive catalogue and wholesale price list of
Ornamental Nursery Stock for all in the trade.**Sam'l C. Moon, Morrisville, Bucks Co., Pa.**

Mention The Review when you write.

Telephone
Main 4580

L. P. KELLY, Mgr.

S.B.



21 Randolph
Street,
CHICAGO.

Commission
Handler of

HIGH GRADE
CUT FLOWERS

GROWERS OF GOOD STOCK

can secure the best and quickest returns
by consigning to us.

Price List. Subject to change without notice.

ROSES

American Beauties, long.....	per doz.,	\$4.00 - \$8.00
medium.....		2.00 - 4.00
short.....		1.00 - 1.50
Meteors, Maids, Brides and Kaiserin.....	per 100,	8.00 - 10.00
Perles.....		4.00 - 6.00
Roses, seconds, average.....		4.00 -

CARNATIONS

Fancy varieties.....	per 100,	\$3.00 -
Ordinary varieties, extra quality.....		2.00 -
average stock.....		1.50 -

MISCELLANEOUS

Alyssum.....	per 100,	\$.50 -
Freesia.....		3.00 -
Callas.....	per doz.,	1.50 - \$2.00
Harrisii.....		1.50 - 2.00
Romans.....	per 100,	2.00 - 3.00
Narcissus.....		3.00 -
Tulips.....		2.00 - 4.00
Valley.....		4.00 -
Violets.....		.75 - 1.00

Mention The Review when you write.

IMPERIAL VIOLET.

10,000 Rooted Cuttings left out of the 20,000.
Ready for immediate delivery.

After these are gone shall not be able to send plants till sometime in March. I believe the Imperial, without exception, is the largest, longest stemmed, deepest blue in color, and most fragrant double violet grown, and for health and vigor cannot be surpassed if it can be equalled. It has never shown the slightest trace of disease of any kind. I have heard of large yields of flowers but my plants to date, Jan. 1st, have given me an average of 35 flowers per plant, and to-day the large fat buds are as thick as straws. The price of the Imperial has averaged so far for this season \$1.47 per 100; can you beat this? If you cannot, send a small order and give them a trial. With every order of a dozen or more I will send my new book on Violet Culture that will tell you some things that you do not know; it is a plain description of the results of years of careful experiment. The book itself is worth all you pay for the plants, and is, I believe, the only work of the kind in print; it also describes the model violet house, preparation of beds, soil and fertilizers; this work I have copyrighted and it can only be obtained from me. Price of plants with Violet Culture:

Per dozen,	\$1.50	Per 100,	\$10.00
Per 500,	45.00	Per 1000,	90.00

W. L. MINOR, Brockton, Mass.
Violet Specialist, 583 Belmont St.

All intending purchasers are cordially invited to call at my house and see this truly magnificent violet in bloom. It will pay you.

Mention The Review when you write.

1840 Old Colony Nurseries, 1899

HARDY SHRUBS, TREES, VINES,
EVERGREENS and PERENNIALS.

A large and fine stock of well rooted plants, grown in a sandy loam. Good plants, best sizes for planting, very cheap.

Trade list free on application.

T. R. WATSON, Plymouth, Mass.

Mention The Florists' Review when writing advertisers.

DAHLIAS

By
the
Tens
of
Thou-
sands.



My prize winners carried off the highest National honors yet awarded the Dahlia—a diploma and gold medal at the Omaha Exposition. Get my catalogue before ordering elsewhere.

Box 382. W. W. WILMORE, Denver, Col.

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ANTON SCHULTHEIS, P. O. Box
78...
College Point, Queens Borough, N. Y.
HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity

Come, see
and con-
vince yourself
Ericas (Heather), also Full
Line of Other Flowering Plants
Price List on Application.

Asparagus Plumosus Nanus.

1000 Asparagus Plumosus Nanus, 4-in. pots,	\$15.00
1000 " " " " " "	18.00
200 " " " " " "	25.00
300 " " " " " "	35.00

Asparagus Seed, home grown, \$1 per 100, \$9 per 1000

Write for prices on Carnation Cuttings.

W. F. Kastling, 495 Washington St. Buffalo, N. Y.

Mention The Review when you write.

50,000 Rooted Cuttings

Begonia Incarnata Gigantea.....	Per 100	\$2.00
" Rex, mixed, Mrs. Pollock.....		2.00
" Rex, 30 named varieties.....		4.00
Coleus, 50 varieties.....		1.00
" mixed.....	\$5.00 per 1,000,	.60
" separate colors, 600.....		.75
Ageratum, Geraniums, mixed.....		1.00
Geraniums, separate kinds.....		1.50
" bronze, lemon verbenae.....		1.50
" silver leaf, rose scented.....		1.50
" Mme. Sallerii, Vinca var.....		1.25
Impatiens Sultana, assorted.....		2.00
Pelargoniums, assorted, named.....		4.00

POTTED PLANTS.

Begonia Incarnata Gigantea.....	2½-in.	4.00
" Rex, mixed.....		4.00
" Rex, 30 named varieties.....		6.00
Cinerarias, best strains.....		3.00
Asparagus Plumosa Sprengerii.....		6.00
Impatiens Sultana.....		3.00
Geraniums, Silver Leaf.....		4.00
Lemon Verbena.....		4.00
Forget-me-not, winter flowering.....		3.00
Vincas Var., 2-inch, 3-inch, extra.....		\$2.00 to 4.00

Write for prices on other stock or for large quantities. Terms Cash or C. O. D.

GREENE & UNDERHILL,
Watertown, N. Y.

Mention The Review when you write.

ORCHIDS....

CATTLEYA FLOWERS of finest quality always on hand. Orders from unknown parties must be accompanied by cash. Orders taken now for Cattleya Labiata Plants, spring delivery.

Lager & Hurrell, Growers and Importers.... Summit, N. J.

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"Ad. B."

The Morris Floral Co.**THE SPOT CASH
GREENHOUSES,
MORRIS, ILL.**

Trade List, February, 1899

CARNATION R. C. now ready.	Per 100
Argyle—A coming standard	\$3.50
Evelina—A big cropper	8.00
Gold Nugget—Yellow	6.00
Empress—Dark red	3.50
Flora Hill—Big white	1.50
Mayor Pingree—Big cream	1.50
Painted Lady—Cherry pink	2.75
Psyche—White flaked scarlet	2.75
Jubilee—Scarlet	1.75
Mary Wood	3.00
Triumph—Big pink	2.00
Carnation R. C., our selection, \$10.00 per 1,000	
Estimates given on 1,000 R. C., up.	

PLANTS, Dec. rooted, 2 1/4-in. pots,	Per 100
Begonias—15 varieties, our selection	\$2.00
" Erfordii, latest bedder	2.00
" Sandersoni, in bloom	2.00
" Hybrid Rosea	2.00
New Yellow Marguerite	2.50
Feverfew—Little Gem	2.00
Pelargonium—The Queen	2.00
Heliotrope—8 varieties	2.00
Smilax	1.00
" From flats	.50

MORRIS FLORAL CO., Morris, Ill.

When writing mention "Ad. B."

**Some Things
You Want....**

RUDBECKIA , "Golden Glow," 3 1/2-inch pots,	\$4.00 per 100.
ACHILLEA , "The Pearl," 3 1/2-inch pots,	\$4.00 per 100.
CORRIPSIS LANCEOLATA , 3 1/2-inch pots,	\$4.00 per 100.
STATION ARMERIA , from 3 1/2-inch pots,	\$3.00 per 100.
JAPAN IRIS , field grown,	\$4.00 per 100.
Enough extras added to more than pay expressage. Cash, please.	

EDWARD B. JACKSON, Stamford, Conn.

Mention The Review when you write.

The MODEL Extension Carnation Support.

Read what some of our best growers say concerning it.

Buffalo, N. Y., Jan. 13, 1899.

Theron Parker. Dear Sir:—Your Model Carnation Support is the best thing I have yet tried. In fact, it is about ideal. I used it this winter on Scotta, Flora Hill, Mrs. Beal and Genessee. The principle is perfect, but experience may teach us that in some varieties, for instance, Daybreak the lower ring might with advantage be two inches lower. If could afford the first cost, at once, I would not think of using anything but the "Model." Very respectfully yours, WILLIAM SCOTT.

Other testimonials will appear weekly. Write for prices.

THE MODEL PLANT STAKE CO.,
22 Morton Street. Brooklyn, N. Y.

Mention The Review when you write.

Live Sphagnum Moss

For Orchids, etc., \$1.25 per bbl.

Sphagnum Moss

First quality, \$1.00 per bale; 10 bales, \$8.00.

Z. K. JEWETT & CO., SPARTA, WIS.

Mention The Florists' Review when writing advertisers.

**Rooted Cuttings,
Roses and
Carnations...**We offer well Rooted Cuttings
of Roses and Carnations, as per list op-
posite, all in fine condition.

Place orders early.

ROSE PLANTS.We also offer fine strong Rose Plants out of
2 1/2-inch pots, as follows:

	Per 100	Per 1000
BRIDESMAID	\$3.00	\$25.00
BRIDE	3.00	25.00
PERLE	3.00	25.00
METEOR	3.00	25.00
KAISERIN	3.50	30.00

**ROOTED
CUTTINGS.****ROSES.**

	Per 100	Per 1000
Meteor	\$1.50	\$12.50
Bridesmaid	1.50	12.50
Bride	1.50	12.50
Perle	1.50	12.50
Kaiserin	2.00	17.50

CARNATIONS.

	Per 100	Per 1000
Wm. Scott	\$1.00	\$7.50
Nancy Hanks	1.00	7.50
McGowan	1.00	7.50
Tidal Wave	1.00	7.50
Kohinoor	1.00	7.50
Flora Hill	1.50	12.50
Jubilee	2.50	20.00
Mayor Pingree	1.50	12.50
Triumph	2.50	20.00
Nivea	1.50	12.50
Daybreak	1.50	12.50
Armasindy	1.50	12.50
McBurney	2.50	20.00
Alaska	1.50	12.50
Argyle	4.00	35.00
Painted Lady	3.00	25.00
Evelina	3.00	25.00

REINBERG BROS., 51 Wabash Av., Chicago

Mention The Review when you write.

**AZALEAS
FOR EASTER.**We have a large stock of all best
commercial varieties in fine shape for
immediate shipment. Will pack much
better now than later on when the buds
are developed.10 to 12-inch crowns, \$35 per 100; 12 to
13-inch crowns, \$45 per 100; 13 to 15-inch
crowns, \$55 per 100.Asparagus Sprengeri, 2 1/4-inch pots, \$5;
3-inch pots, \$8 per 100. Asparagus
Plumosus, 2 1/4-inch pots, \$6 per 100.Canna President Cleveland, the best of
all the bright scarlet cannas for massing,
\$10 per 100. Cannas—an immense stock
of all the leading sorts. Let us know
your wants and we will quote you
bargain prices.Dahlias, fine assortment of up to date
varieties, strong undivided roots, \$7 per
100; \$60 per 1000.Lilium Auratum, 7 to 9 inches, \$4 per 100; 9 to 11 inches, \$6 per 100.
Lily of the Valley, Berlin pips, \$10 per 1000. Case of 2500 for \$23.**ROSES—FIELD CROWN—STRONG TWO YEAR.**

Hybrid Perpetual in leading varieties, \$10 per 100. Crimson Rambler, \$15 per 100.

For New Geraniums, Carnations, Chrysanthemums, Etc., see our Florist's Price List.

THE STORRS & HARRISON CO., - - PAINESVILLE, OHIO.

Mention The Review when you write.

HOT SPRINGS, ARKANSAS.Only health resort endorsed by the U. S.
Government. Wabash is the direct line from
Chicago. Three trains. Send postal card for
illustrated booklet giving full information.
F. A. Palmer, Asst. Gen. Pass. Agt., Wabash
ticket office, 97 Adams St., Chicago.

Mention The Review when you write.

**THE REGAN
... PRINTING HOUSE ...**Nursery
Seed
Florists'**Catalogues****87-91 Plymouth Place, Chicago.**

of stock. A high wind accompanied the cold wave during part of the time and it is fortunate no more serious losses happened. One of W. A. Kennedy's boilers sprung a leak, owing to heavy firing, but temporary repairs were made before any loss occurred.

Notes.

Mrs. Baumgarten continues the business of the late Carl Baumgarten, under the name of Baumgarten Floral Co. The store has been refitted throughout, including a glass front ice chest, making a neat and attractive store. Mr. Hesse, the South Side florist, has also made improvements in the interior of his store under the direction of the Misses Rose and Sarah Engel, who have charge of this department. Mr. Hesse devotes his time to his large grocery business.

E. R. English, who conducted a store on Grand avenue until he reaped the benefits of the holiday trade, left for parts unknown. Geo. Tillema has discontinued his flower window.

Ellis & Pollworth lost several large shipments of cut flowers consigned to northwestern points last Thursday, owing to the express car being destroyed by fire en route. The express company promises a speedy adjustment of claims.

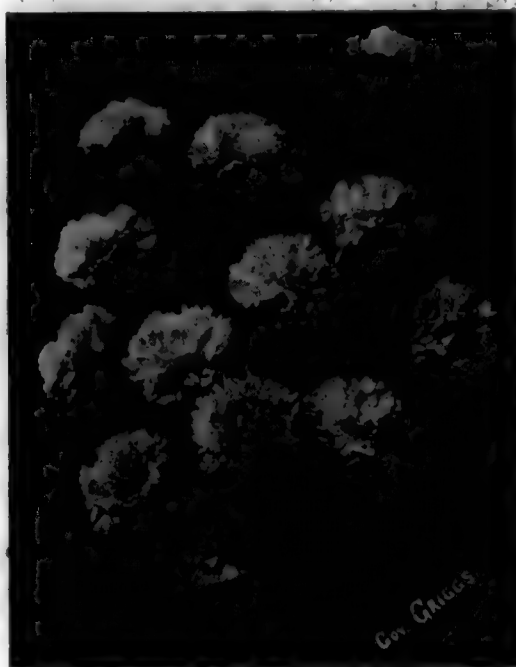
Geo. Volk, of Volk & Stewart, and Max Reitz, are on the sick list. Mrs. Wm. Edlefsen, who has been ill for several weeks, is again able to be about. Benedict Ellis is again back at his desk. GEO. W.

BUFFALO, N. Y.

Weather Conditions.

I sent a few notes of the doings of our city last week, but as they reached the suburbs of Chicago they were frozen beyond decipheration. As the thermometer has gone up to 2 above zero today, we attempt it again. Editors of dailies are devoting their ability and space in the editorial columns to the weather, and as we are creatures of the climate we live in, a word or two will not be out of place. It has been the longest spell of extreme low temperature that the writer has known in thirty-one years; 72 hours we were below zero; about 15 below was the lowest in this city, but a few miles east of here it was 22 below, and the end is not yet. We will say no more, or there will be an influx of emigrant florists from St. Louis and Washington to escape their frigid environments. So far no serious losses are reported in this locality, for we expect it and are prepared. This cold spell is, however, very inopportune for the great show of carnations that we expect and hope to see in Philadelphia on Thursday. It will make shipping risky and prevent some good men from attending who will not like to leave their establishments during this Alaskan period.

[Continued page 293.]



NEW

CARNATION

GOV. GRIGGS

SEEDLING OF VAN LEEUWEN
ON DAYBREAK.

Strong, healthy grower, free from disease of all kinds, continuous free bloomer with flowers very erect on a stiff stem; 18 to 20 in., flowers similar in color to Daybreak, but much brighter, edge beautifully fimbriated, good shape and with full center, and does not burst, commands the highest prices in New York for novelties. Having been grown by us for the past four years we can with confidence recommend it to the florists of America as one of the best if not the best light pink Carnation ever sent out. Orders are now being booked for rooted cuttings.

Price \$75.00 per 1000, 500 at 1000 rate, \$10.00 per 100, \$2.00 per dozen.

All orders filled strictly in rotation.

Cash with order from unknown correspondents.

A personal inspection invited.

JOSEPH TOWELL, HALEDON AVE. NURSERIES. Paterson, N. J.

Mention Florists' Review when you write.

New Carnations for 1899...

	Per doz.	Per 100	Per 1000		Per doz.	Per 100	Per 1000		Per doz.	Per 100	Per 1000
C. H. Crane...	\$2.00	\$10.00	\$75.00	Mary A. Baker...	\$1.50	\$3.00	\$70.00	Iris Miller	\$2.00	\$10.00	\$75.00
America	2.00	10.00	75.00	Anna C. Eastburn	1.50	8.00	70.00	Elsie Furgeson...	2.00	10.00	75.00
Dorothy Sweet	2.00	10.00	75.00	Gov. Griggs	2.00	10.00	75.00	Dr. Tevis	2.00	10.00	75.00
Gen'l Gomez	2.00	10.00	75.00	Duke of York	2.00	10.00	75.00	Helen Dean	2.00	10.00	75.00
Gen'l Maceo.	2.00	10.00	75.00	Liberty	2.00	10.00	75.00	Leslie Paul	2.00	10.00	75.00
Glacier	2.00	10.00	75.00	Cardinalis	2.00	10.00	75.00	John Hinkle	2.00	10.00	75.00
Melba	2.00	10.00	75.00	Progress	2.00	10.00	75.00	Grace Runyon...	2.00	10.00	75.00
Evanston	2.00	7.00	60.00	Emiline	2.00	10.00	75.00	Harriet Bradford.	2.00	10.00	75.00

Catalogue ready February 10th.

H. WEBER & SONS, = = OAKLAND, MD.

Mention The Review when you write.

BABY PRIMROSE.



The newest thing for
Easter Blooming.

Flowers in thumb pots; grows rapidly, 6-in. pot, carry 50 to 100 sprays of rosy flowers, 12 to 18 in. long; lasts 4 weeks when cut and wholesale at \$2 per 100; grows finely in cool house; perpetual bloomer. 12 for \$1.50, \$10 per 100, express prepaid.

New Fragrant \$1000
CALLA.

Very dwarf and free bloomer, has the fragrance of violets and lilies, \$1 and \$2 per 12, \$6 and \$12 per 100, mailed.

Asparagus Sprengeri.

2-in., 24 for \$1.50, mailed;

ed; \$4 per 100, express. 3 1/4-in., 24 for \$2.50, mailed; \$7 per 100, express.

A. BLANC & CO., Philadelphia.

Mention The Review when you write.

WOOSTER, OHIO.—We have received a copy of the annual report of the Committee on Entomology of the Ohio State Hort. Society. This report was compiled by F. M. Webster.

EVERY FLORIST OUGHT TO INSURE HIS GLASS AGAINST



FOR PARTICULARS ADDRESS

JOHN G. ESLER, Sec'y. SADDLE RIVER, N. J.
Mention The Review when you write.

MINNEAPOLIS, MINN.—During the recent cold spell the thermometer registered 40 degrees below zero. The growing of fine Am. Beauties under such conditions is about an impossibility.

Mention The Florists' Review when writing advertisers.

Bassett & Washburn's

ROOTED CUTTINGS OF

ROSES AND CARNATIONS

Are as Good as can be Grown and Free from Any Disease.

We shall Have a nice lot of PLANTS later.
Place your orders early if you wish the best.

We Guarantee what we say.
Orders filled in rotation.

BASSETT & WASHBURN,

Greenhouses and Residence,

HINSDALE, ILL.

Long Distance 'Phone No. 10.

Store, 88 Wabash Avenue,

CHICAGO, ILL.

Long Distance 'Phone Main 223.

Mention The Review when you write.

CARNATIONS

Healthy Rooted Cuttings Ready Now.

WHITE CLOUD. EVELINA.
GOLD NUGGET. MRS. JAS. DEAN.
PAINTED LADY. NEW YORK.
BON TON. EMPRESS. PSYCHE.

\$3 per hundred. \$40 per thousand.

FLORA HILL. VICTOR. TRIUMPH.
MAYOR PINGREE. ALBA SUPERBA.

\$3 per hundred. \$25 per thousand.

DAYBREAK. Wm. SCOTT. HECTOR.
JUBILEE. MINNIE COOK.

\$2 per hundred. \$15 per thousand.

ARMANDINDY. \$2.50 per hundred, \$20 per thousand
The greatest scarlet of them all is HECTOR.

Pennrock Co., Box 252 Wilmington, Del.

Mention The Review when you write.

H.W. BUCKBEE

Seed Specialist,

Rockford Seed Farms.

Forest City Greenhouses.

Lock Box 911.

ROCKFORD, ILL.

Special Prices Upon Application.

Mention The Review when you write.

THE HARRISII DISEASE can be prevented
by immersing
the bulbs for 5 hours in a half solution of

Kraft's Plant Tonic

This has been conclusively proven by experiments
at Lincoln Park, Chicago. The Tonic also kills
Hard Shelled Scale, Mealy Bug, and other insect
pests without injury to the plant. Send for circular.

KRAFT PLANT TONIC CO. Rockford, Ill.

Mention The Review when you write.

LIVINGSTON'S TRUE BLUE Tomato Seeds

There are just two qualities of Tomato Seeds, "Livingston's" and "Others."
Almost any tomato seed will grow, but "What will the harvest be?" Our specialty is
The Best Seeds for the Market Gardener. Send for Catalogue and Gardener's List.

THE LIVINGSTON SEED CO., Seed Growers, Columbus, Ohio.

Mention The Review when you write.

Smilax from Flats, October Sowing.

Extra Strong. By mail or express.

Express paid to all parts of U. S. or Canada.

50c per 100, \$4.00 per 1,000; per 5,000 \$17.50.

E. H. SMITH, Macomb, Ill.

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ROSES--ROOTED CUTTINGS....

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CINCINNATI.

The Market.

Trade has been very quiet during the past week, owing to the extreme cold weather. The thermometer dropped as low as 25 degrees below zero in various parts of the country. Very few growers ventured to town with their stock, being busy trying to reduce the size of their coal pile. Some of our growers report the loss of a house or two from frost, others just able to keep theirs above the freezing point, consequently there was not enough stock in the market to supply the light demand. Bulbous stock is selling well, owing to the scarcity of roses and carnations.

The Florist Club.

The Florists' Club failed to hold their regular meeting last Saturday evening, owing to the severe weather. The election of officers was again postponed for one month.

In connection with the meeting was to have been a special exhibition of roses. Messrs. George & Allen were the only exhibitors, and they carried off the following prizes: Five dollars, offered by Wm. Glenny Co. for best 25 Perles; \$5 offered by Hoffmeister Floral Co. for 25 Meteors; \$5 offered by Geo. S. Bartlett for 50 Brides and Maids; 100 lbs. sheep manure offered by J. M. McCullough's Sons for best vase of Flora Hill and Daybreak; \$5 offered by Cincinnati Cut Flower Co. for best 12 Beauties. They also had a fine display of bulbous stock which they know how to produce to perfection.

A Visit to Richmond.

On Wednesday, the 8th, a party of florists took a flying trip to Richmond, calling on E. G. Hill & Co. and E. T. Graves. They were well pleased with their visit and saw some carnations that opened their eyes. Of course they attribute those large flowers to the Indiana soil. The party was composed of Wm. Murphy, Thos. Windram, Wm. Schumann, R. Witterstaetter, E. G. Gillett and Geo. Murphy.

Notes.

W. A. McFadden says that most of the stock now produced at Rosebank is being disposed of at retail. He has just issued a booklet entitled, "Information for Flower Buyers," which has been sent to his retail customers.

T. W. Hardesty has given up his store at 411 Walnut street.

Callers last week: Geo. A. Heintz, Toledo, O., and C. J. Hale, Wilmington, O.

NORTHFIELD, MINN.—A serious conflagration at the greenhouses of Mr. C. P. Nichols was averted by the timely discovery of the fire and prompt action in quenching the blaze, which was probably caused by a spark from the chimney falling into the flax straw used to keep the frost out of the building.

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From Hand Fertilized, Winter Blooming Varieties.

100 Seeds for 25 cents

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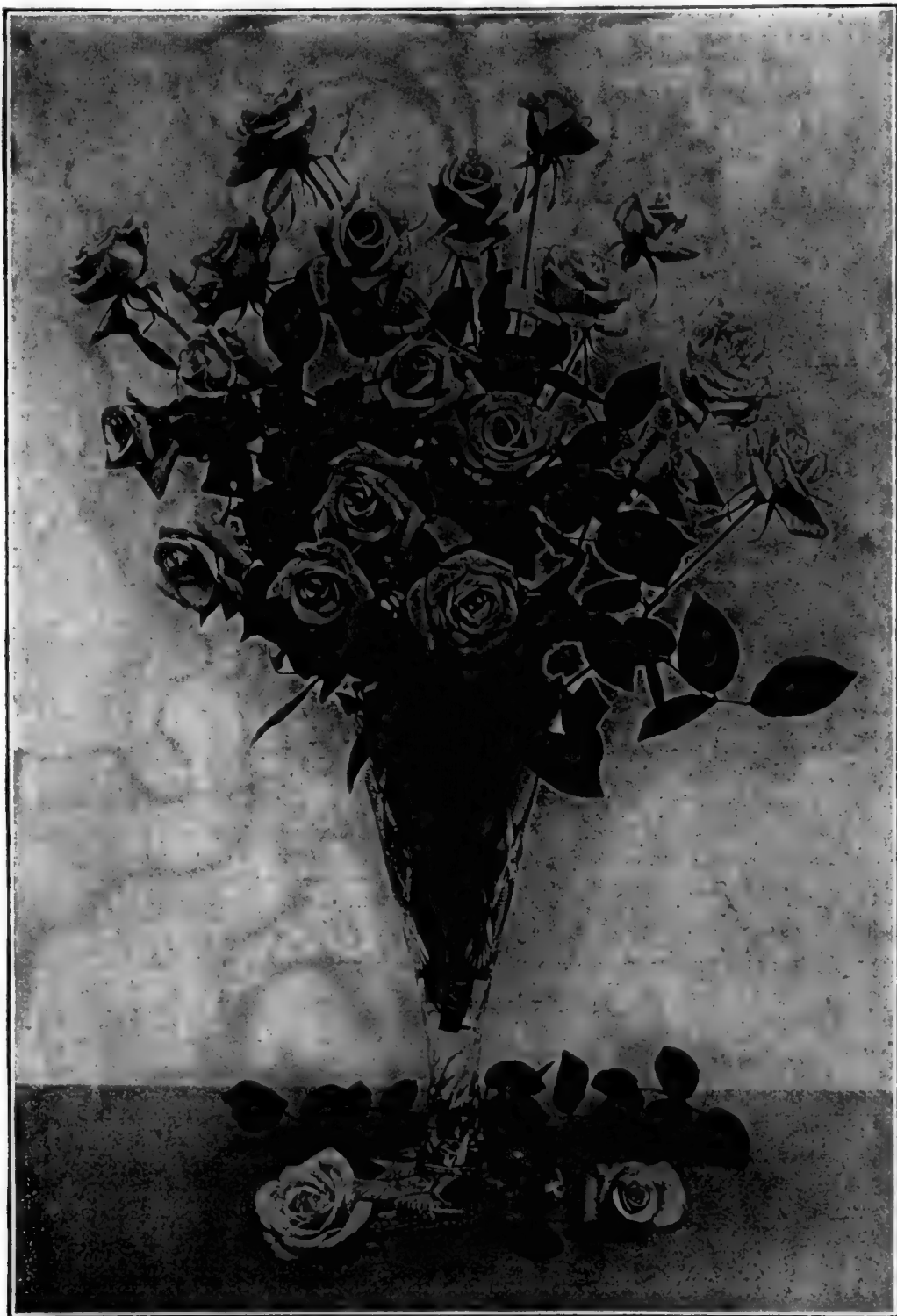
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CATALOGUES RECEIVED.

American Jadoo Co., Philadelphia, Pa., Jadoo fibre and Jadoo liquid for vegetables and fruits; James Vick's Sons, Rochester, N. Y., golden wedding edition of the garden and floral guide; Dingee & Conrad Co., West Grove, Pa., new guide to rose culture; Geo. Hancock & Son, Grand Haven, Mich., rooted carnation cuttings; Wm. F. Kastling, Buffalo, N. Y., cut flowers and florists' supplies; same, calendar; Conard & Jones Co., West Grove, Pa., roses, seeds, plants and bulbs; J. C. Suffern, Voorhies, Ill., field seeds; Waldo Rohnert, Gilroy, Cal., seeds; Pinehurst Nurseries, Pinehurst, N. C., nursery stock; same, surplus list collected seeds.

CINCINNATI, O.—J. Chas. McCullough reports a very satisfactory season, especially in the trade on blue grass, red top and orchard grass.

ROCHESTER, N. Y.

The flower and plant trade during the past month was only fairly good, owing principally perhaps to the severity of the weather. On milder days sales were always up to the average. The supply generally was rather in excess of the demand, though prices were not affected and kept up to the usual figure. The Lawson carnation is exhibited in one of our stores and attracts the attention of the general public just now, but sales are few and far between.

The greenhouses, sheds and seed storehouse owned by George Arnold, Jr., were burned to the ground early Saturday morning, Feb. 11th. The fire is thought to have started in the boiler room and was not discovered until the flames had spread into the adjoining buildings, too late to save any of them or their contents. It is a severe loss and drawback to our enterprising

young townsman, as there was but a small portion of the property covered by insurance, and he only saved a few hotbed sash, stored away in one corner of the building, every plant and implement, together with a lot of seeds stored in the building, being destroyed.
K.

SPRINGFIELD, MASS.

The annual meeting of the Hampden Co. Hort. Society was a very enthusiastic one. The business of the evening was the election of officers.

Mr. W. P. Peacock, Atco, N. J., one of the most expert dahlia growers in the country, will lecture before the society at its March meeting.

Mr. Edw. Stock, one of the best known and successful amateur horticulturists, died at his home, aged 68 years. He was a member of the Hort. Society, and was always a large exhibitor at the annual shows.

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Respectfully,

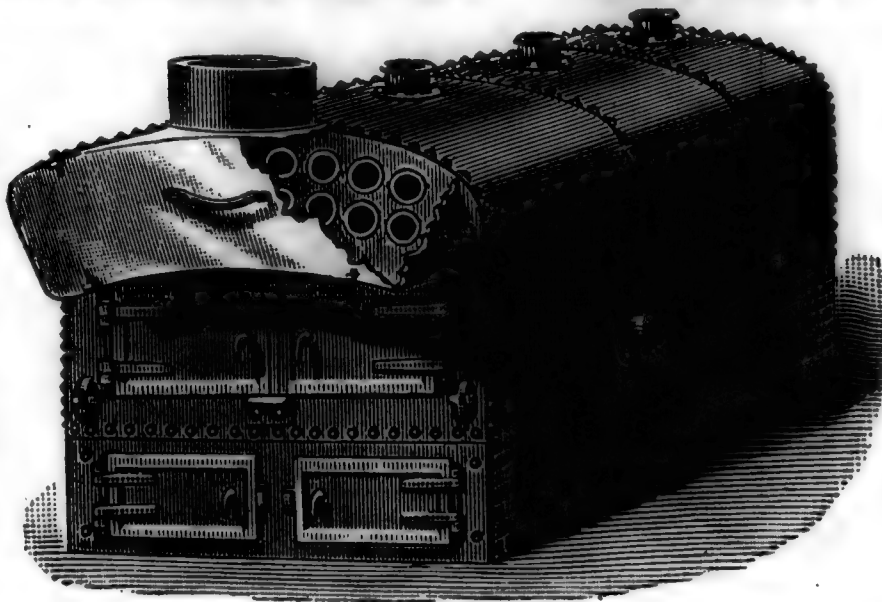
GEO. WITTOLD,
Per L. W.

Chicago, Nov. 4, 1898.
Mr. Chas. Kroeschell.

Dear Sir:—Hurrah for McKinley, sound money and sound boilers! The boiler I got from you is excellent. I think I could not get a better one in the United States.

Yours truly,

JOHN FUHRMANN.
1647-1653 North Clark St.



Asheville, March 20, 1898.
Kroeschell Bros. Co.,
Chicago, Ill.

Gentlemen:—In reply to yours of the 11th: So far we are perfectly satisfied with the boiler bought from you last summer. We are only heating about one-half the space that you say it will, so we have not given it a very severe test, but it has saved us at least 15 per cent of fuel over last winter. Our foreman says that the saving is nearer 20 per cent than 15, and he thinks that the saving will be even greater when the boiler is properly loaded.

Yours very truly,

IDLEWILD FLORAL CO.,
324 Charlotte St. Asheville, N. C.

Send for Catalogue.

Improved Greenhouse Boiler. CHICAGO.

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Notes.

Flowers have been in good supply; bright days have accompanied the cold spell and those conditions are very favorable to the production of flowers; but frosted windows and frosted ears and noses are not conducive to brisk sales, and the bulk of the business has been "for the last sad rites."

I paid a short visit to Mr. John C. Pickleman, of French street, last week. John's stock looks well all around, chief of which is an immense lot of lilies for Easter, both Bermuda Harrisii and longiflorum. Mr. Pickleman is convinced in his own mind that shifting a lily from a 4-inch to a 6-inch when a few inches high retards its flowering time by two or three weeks. His theory is that it starts the plant into more vigorous growth, and maturity or flowering period is thus delayed. I have not noticed this, but it is well worth close observation for even two weeks on a longiflorum is of great importance when Easter is on April 2.

There have been few visitors and no drummers for the past two weeks, so Mr. George Watson, of Philadelphia, will please notice that I am deprived of my stock-in-trade joke.

Mr. G. L. Grant, publisher and editor of the Florists' Review, passed through town on Monday, lingering a few hours with the craft. He was, of course, on his road to Broad street, Pennville.

Mr. Fred Stokes, late of Buffalo, now of Pittsburg, where he represents Mr. W. F. Kasting in the commission business in that hustling metropolitan-like city, paid his old friends a visit a few days ago. He looks and talks and acts like a man whose business prospects are on the rise. To quote him, he says: "Buffalo is a beautiful city, but Pittsburg is the town for business; it makes me think of London." Then he says: "The first few weeks in Pittsburg is like a dog in a bowling alley, lonesome and of little use; but now friends and business are increasing every day." If he conducts his business as Mr. Kasting does here, the Pittsburg branch is assured of success.

Bowling.

In spite of the weather there was a large attendance at the bowling alleys on Friday last. I think we have the best appointed alleys to practice on in the country. There are easy chairs to recline in (a hundred of them), the walls are hung with paintings of the old masters (bowling masters I mean), sliding doors to prevent intrusion from the vulgar public, and our able president has introduced an excellent law—there can be no treating, but if one feels that they, as Mrs. Gamp would say "must have a drop of that 'air nutriment which water requires," they must take a solitary walk through the folding doors, and if more than once during the evening, the captain has to slide open the door and bawl out,

"Come, McClure; it's your turn," that man has to pay a double week's dues.

Our sporting correspondent will give you a full account of the wonderful (?) scores.
W. S.

PITTSBURG.

The blizzard played havoc with business the past week. The city was at the mercy of the cold weather and sales fell as low as the temperature. Figuratively as well as literally speaking, this was the greatest frost we ever experienced. Shipments from all points were delayed and all were to some extent injured by the severe cold. Friday, the 10th, was the coldest day recorded.

Reports from various points around Pittsburg show the temperature to have dropped as low as 22 and 24 degrees. Mr. Theo. F. Beckert, of Glenside, reported 28 below.

Dunlevy & Sons report the loss of a portion of their violets. Chas. Koenig had a load of decorative palms frozen. Mrs. E. A. Williams also had some decorative plants frozen. L. I. Neff's Penn avenue store was damaged to the extent of \$300 by fire, caused by a defective flue; loss fully covered by insurance.
T. P. LANGHANS.

RATON, COLO.—James Bowdrey has secured the greenhouses here and will continue the business.

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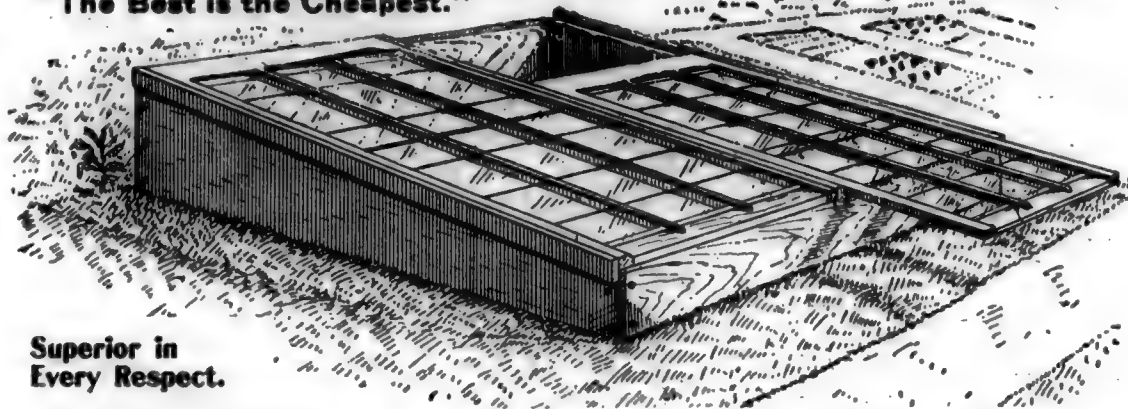
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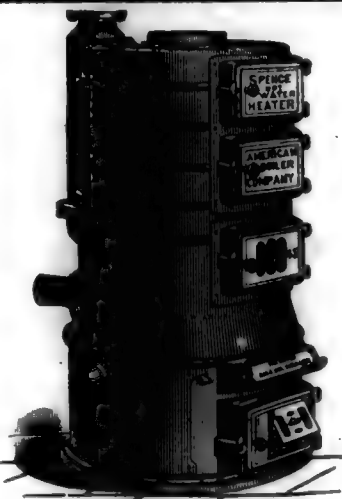
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Vol. III.

CHICAGO AND NEW YORK, FEBRUARY 23, 1899.

No. 65.

AMERICAN CARNATION SOCIETY.

PHILADELPHIA, FEBRUARY 16 AND 17, 1899.

The eighth annual convention of the American Carnation Society held in Philadelphia last Thursday and Friday, Feb. 16 and 17, was one of the most successful and interesting in the history of the society, in spite of adverse circumstances that were well nigh overwhelming. With the railroad systems blockaded with snow and as the result of bitter cold, with trains so infrequent and uncertain as to make travel exceedingly uncomfortable and the safe arrival of express shipments a matter of grave doubt, it is certainly very much to the credit of the craft that such a splendid showing was made.

The Exhibition.

Owing to delays in delivery it was noon of Thursday before the exhibition was in shape and belated cases arrived as late as Friday noon. But when all the entries were in place it was a grand display, well worthy of the occasion. All the leading growers were strongly represented and we question whether such a collection of specimen flowers were ever before brought together.

Messrs. Wm. Scott, C. H. Allen and W. N. Rudd were the judges of seedlings and they awarded certificates of merit to L. E. Marquisee, Syracuse, N. Y., for The Marquis, a beautiful pink flower; to John N. May, Summit, N. J., for Olympia, a white variegated; to Cottage Gardens, Queens, N. Y., for Gen. Gomez and Gen. Maceo, both crimson; to H. Weber & Sons, Oakland, Md., for seedling No. 38. The Cottage Garden's silver cup

for best scarlet seedling was won by Dailedouze Bros., Flatbush, N. Y.; with the variety Mars, and the Rookwood vase went to Ernst Asmus, West Hoboken, N. J.

The various named seedlings entered scored points as follows:

Gen. Maceo (Ward) 88 points.
Olympia (May) 87 points.
The Marquis (Marquisee) 86 points.
Hanna Hobart (Sievers) 86 points.
Gen. Gomez (Ward) 85 points.
J. Whitcomb Riley (Dailedouze) 81 points (without plant).
Gov. Griggs (Towell) 80 points.
America (Hill) 80 points.
Mrs. Lippincott (Kuhn) 78 points.
Pink Beauty (Rusler) 69 points.
Kathleen Pantlind (Hopp & Lemke) 65 points.

White Seedling (Hancock) 65 points.
Seedling No. 111 (Weimar) 63 points.
Rosamond, 59 points.

Opal (Witterstaetter) 58 points.
In the general classes the awards were made by Messrs. Eugene Dailedouze, Peter Fisher and R. Witterstaetter, and were as follows:

Vase 100 blooms white, 1st to Hugh Graham, Philadelphia, with White Cloud.

Vase 100 blooms light pink, 1st to C. Besold, Mineola, N. Y., with Mrs. Frances Joost; 2nd to R. Craig & Son, Philadelphia, with Melba.

Vase 100 blooms, dark pink, 2nd to Stollery Bros., Chicago, with Argyle.

Vase 100 blooms scarlet, 1st to Chicago Carnation Co., Joliet, Ill., with Jubilee; 2nd to F. A. Blake, Rochdale, Mass., with Bon Ton.

Vase 100 blooms yellow variegated,

1st to W. N. Rudd, Chicago, with Mayor Pingree; 2nd to Chicago Carnation Co., with Gold Nugget.

Vase 100 blooms white variegated, 1st to Chicago Carnation Co. with Mrs. G. M. Bradt; 2nd to H. D. Rohrer, Lancaster, Pa., with same variety.

Vase 50 Flora Hill, 1st to R. Craig & Son; 2nd to H. Graham.

Vase 50 Jubilee, 1st to Chicago Carnation Co.; 2nd to R. Craig & Son.

Vase 50 Scott, 1st H. D. Rohrer.

Vase 50 Victor, 1st Chicago Carnation Co.; 2nd R. Craig & Son.

Vase 50 Triumph, 2nd to H. D. Rohrer.

Vase 50 any other light pink, 1st to J. N. May, with Melba.

Vase 50 Armazindy, 2nd to Chicago Carnation Co.

Vase 50 Lily Dean, 1st H. D. Rohrer.

Vase 50 any other white variegated, 1st to Chicago Carnation Co., with Mrs. Bradt.

Vase 50 Pingree, 1st W. N. Rudd.

Vase 50 any other yellow, 2nd to R. Craig & Son, with Gold Nugget.

In Class C, covering introductions of 1898, 25 blooms each, in light pink Chicago Carnation Co. was second with Mrs. Jas. Dean. In dark pink Stollery Bros. were first with Argyle and Hugh Graham second with the same variety. In scarlet F. A. Blake was second with Bon Ton. In yellow variegated Chicago Carnation Co. was second with Gold Nugget, and in white variegated Dailedouze Bros. were first with Mrs. Bradt.

H. D. Rohrer won the Blake special prize for 25 blooms of Bon Ton, and H. Graham the Witterstaetter prize for 100 Evelina.

The S. A. F. medal for six vases, 25 blooms each, six varieties, introductions of 1897 and 1898, was won by the Chicago Carnation Co., the varieties being Mrs. Bradt, Mrs. Jas. Dean, Mrs. Frances Joost, New York, John Young and Gold Nugget.

The W. C. Smith silver cup for the best light pink seedling was won by L. E. Marquisee with The Marquis.

The judges submitted the following report on other exhibits: "The judges find several exhibits of great merit not entered for competition, among them a magnificent vase of the Mrs. Thos. W. Lawson carnation, shown by Peter Fisher; a grand bunch of Golden Gate roses, by Grove P. Rawson; two grand vases of G. H. Crane carnations, by F. Dorner & Sons Co.; a vase of Brunner roses that are perfect, by Hugh Graham; a collection of flowers of *Primula sinensis*, in twenty-one distinct varieties, by Wm. Scott; some well grown single violets, by Jos. Towell; a vase of the new rose Liberty, magnificent in every respect, by Ernst Asmus; a very tasty collection of fancy baskets, by H. Bayersdorfer & Co.; a collection of tools, implements, garden requisites and fertilizers, by H. A. Dreer; garden hose and a varied assortment of greenhouse appliances, by H. F. Michell; many sizes and styles of their flower boxes, by Edwards & Docker; and finally Robert Kift showed a small collection of his marvellous new style carnations which he calls *Dianthus Elephanticus*."

The marvellous new carnations shown by Mr. Kift were constructed of three or four flowers that had been deftly joined together so as to form one bloom. They made a tremendous impression at a distance but a near view showed that they were mere works of art and not a sensational new carnation.

Owing to the late arrival of many exhibits several supplementary reports were made by the judges. These mentioned "Five vases of elegant blooms of carnations from the Cottage Gardens; Maud Adams, from Frank Niquet, Patchogue, N. Y., arrived late but in splendid condition; four fine vases of California seedlings, from Albert M. Herr; a collection of seedlings from J. L. Dillon; new carnation Sandusky, from W. E. Hall, Clyde, O.; seedlings Mary E. Baker and Anna C. Eastburn, from Louis C. Eastburn, Kennett Square, Pa.; a scarlet sport from Tidal Wave, named Uncle Walter, that looks very well, from Jno. Murchie, Sharon, Pa.; Maid of Honor roses, from Hoffmeister Floral Co., Cincinnati, O.; vases of America, Bon Ton, Jubilee, Gold Nugget, Triumph and White Cloud, from E. G. Hill & Co.; vases of Pingree and Ceres Queen, from Geo. A. Rackham; vases of Armazindy, Flora Hill, Mrs. Bradt and White Cloud, from H. Weber & Sons; seedling carnation Hanna Hobart, from Jno. H. Sievers, San Francisco, which scored 86 points and arrived in remarkably fine condition considering the distance the flowers had traveled."

Among the whites Mr. Dorner's White Cloud showed up grandly this year and made a much stronger impression than last year. It seems to

have done exceedingly well with all who have grown it.

The vase of Mrs. Lawson occupied a prominent position in the hall and attracted a great deal of attention. It certainly is a grand flower.

One of the most striking exhibits in the hall was the vase of the Liberty rose, shown by Ernst Asmus. It is strongly suggestive of an improved Jacqueminot, with fragrance closely resembling that of the old time favorite. If it proves a free producer Meteor will be relegated to the background in short order.

The Sessions.

A short preliminary session of the society was held late Thursday morning, merely to select judges. The regular program was not taken up till the afternoon of Thursday but it was then rapidly disposed of. The reports of the secretary and nomenclature committee were read as printed in our last issue.

In his address President Wm. Nicholson expressed his gratification at the large attendance in view of the unfavorable conditions and recalled the fact that the society first saw the light in the City of Brotherly Love. "Having traveled over the rough and rugged paths from the far east to the great west, we meet once more at the birthplace of this society. When we look back and see what the advance has been since the first meeting then only can we realize what this society has done for the advancement of the carnation." He thought growers of new varieties should be encouraged to send a few plants to prominent growers in different parts of the country for trial before disseminating them, and thus ascertain in advance whether the variety would prove satisfactory in different soils and under various conditions. He made some suggestions as to changes in the scale of points for judging seedlings, which were later acted upon by the society. He saw encouragement for the future in the experience of Mr. Peter Fisher in securing so high a price as \$30,000 for a new carnation. He believed that the future for the carnation was never brighter than at the present time.

The paper by Mr. Thos. F. Galvin, of Boston, on the carnation from the standpoint of the retailer was read by Mr. J. N. May, Mr. Galvin not being present. In the paper Mr. Galvin referred to the wonderful progress of floriculture during the last quarter century. The Bon Silene rose had first opened the eyes of the Boston growers to the possibilities of profit in the growing of cut flowers for market, and this rose had given Boston considerable prominence in the floricultural world. Of the roses now grown he placed American Beauty at the head and believes it will retain its popularity for many years. The progress made by the rose has been

marvellous, but still more rapid strides are now being made by the carnation. He referred to the interest taken by Mr. Thos. W. Lawson in all flowers and to the stimulation of interest in the carnation by the general public through Mr. Lawson's recent purchase of the variety named after his wife.

Mr. Robert Kift then read his paper upon the same subject.

The report of Treasurer F. Dorner, Jr., showed total receipts during the year of \$965.32 and total expenditures of \$492.95, leaving a balance on hand of \$472.37.

A telegram from Mr. Thos. W. Lawson, of Boston, offering to contribute the sum of \$500 toward the prizes for next year's exhibition was received with long continued applause.

The paper on fertilizers by Prof. Britton was listened to with close attention. In response to questions that followed Prof. Britton said that the stiffest stems noted were those of Daybreak where nitrate had been used. He considered the carbonate as good a form of potash as any. He had used the muriate because it was the least expensive. The sulphate would be all right. He added lime to the soil as peat is slightly acid, and he used it to correct the acidity. He believed there was no danger in mixing the salts with the soil immediately before planting provided they were used in moderate quantities and thoroughly mixed with the soil. Thorough stirring of the soil hastens nitrification. The de-nitrifying microbes work more in the deeper places away from the air.

Election of Officers.

The annual election of officers resulted in the unanimous election of the following:

President, Wm. P. Craig, Philadelphia.

Vice-President, Wm. F. Kasting, Buffalo.

Secretary, Albert M. Herr, Lancaster, Pa.

Treasurer, Fred Dorner, Jr., Lafayette, Ind.

This staff is composed entirely of quite young men. President Craig is only 27 and Vice-President Kasting is but 28. But all are men of action and stamina and the interests of the society will be well cared for.

Buffalo was selected as the place of meeting in 1900. An invitation was also received from Detroit, being presented for the Detroit Florists' Club by its Vice-President, Mr. Geo. A. Rackham, but it was thought by the majority that Detroit should not be taxed with further burdens after taking care of the S. A. F. the summer before. The invitation to Buffalo was extended by Wm. Scott, and after listening to the eloquent words of that gentleman and the applause with which they were greeted Mr. Rackham withdrew Detroit in favor of Buffalo and the vote was made unanimous. Baltimore was also mentioned but no

representatives of that city happened to be present.

Sub-Watering.

The paper by Prof. Arthur on Sub-irrigation was received with much applause. There was inquiry as to the cost of benches erected as described by Prof. Arthur. Mr. F. Dorner, Jr., said they had built only 25 feet of the

the old way of doing things and was not disappointed. It is easy to overwater with this system and this bench was heavily overwatered at first. But the plants in the bench with brick bottom and surface watering were markedly in advance of anything else in the house. Conditions were made as uniform as possible and plants of the same size and vigor were planted in

tem that he was preparing to extend it through all his houses.

The members expressed great appreciation of the efforts of Prof. Arthur to solve cultural problems of this character, and this crystallized into the following resolutions which were adopted by a unanimous vote:

Resolved, That the American Carnation Society, in convention assembled, desires to express its thanks to Professor J. C. Arthur, of the Indiana Experiment Station, for the paper he has just read to us, giving the results of his experiments in sub-irrigation, and at the same time to urge on the National Government the importance of the work of the Experiment Stations throughout the country, and the necessity of more liberal appropriations to enable them to carry on the work which has already proven to be of incalculable value to the farmers and florists of America.

In the cultivation of plants and flowers millions of dollars are invested, and this business is now one of the growing industries of the country, adding to the higher enjoyments of the people and deserving of every encouragement from the Government.

Change in Scale.

There was considerable discussion of the President's suggestion regarding changes in the scale for judging, and finally a new scale was adopted as follows:

Color	25
Size	20
Calyx	5
Stem	20
Substance	10
Form	15
Fragrance	5
Total	100

New Competition.

Mr. Eugene Dailedouze suggested a new competition for next year in which each competitor should contribute toward prizes for the winners. The proposition was finally submitted and adopted as follows:

Moved, that this society shall sanction a competition at the next meeting, to be held in Buffalo in February, 1900, to be governed by the following rules:

First—Each competitor shall deposit with the treasurer in advance of the meeting a deposit of \$5.00, and an additional \$5.00 when he stages his flowers.

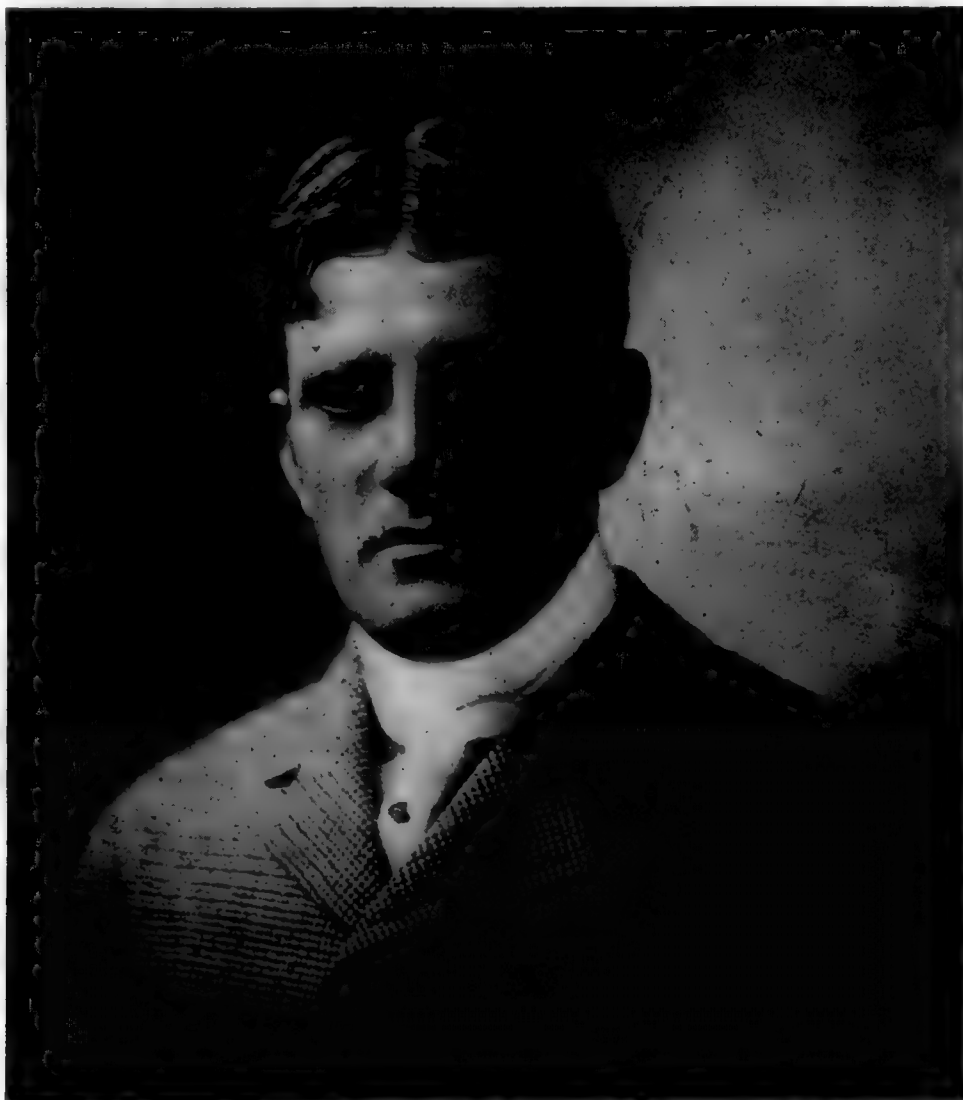
The number of blooms exhibited shall be twelve. No first year seedlings shall be allowed to compete. The judging shall be according to the scale of points adopted by this society. Size shall be determined by a measurement of the largest diameter and the length over the top, dividing the product of these measurements by two.

The premiums shall be two in number, first and second, the first to be two-thirds of the amount subscribed and the second premium the remaining third.

No competitor shall be allowed to serve as a judge. Any competitor may enter one or more varieties by paying the entry fee for each variety.

Those Present.

Among those present from New York and vicinity we noted John N. May, C. W. Ward, Chas. Weathered, P. O'Mara, Eug. Dailedouze, Ernst Asmus, H. C. Roth, A. Herrington, W. Duckham, C. Besold, J. G. Esler, W. A. Manda, H. A. Siebrecht, C. H. Allen, Alex. Wallace, J. W. Withers, L. Wood.



Wm. P. Craig, President-Elect American Carnation Society.

bench in an experimental way and he thought the cost was about 20 cents a square foot. They planted four different varieties on this bench. They found it reduced the labor of watering about 75 per cent and it seemed very beneficial to the plants. The stems of the flowers were stronger and the blooms came more even.

Mr. J. L. Dillon thought that those wishing to try the system, and having solid beds now, would find cement bottoms economical and satisfactory.

Mr. W. N. Rudd said he had tried the system in a small way. He had laid off two 8-foot sections of a 6-foot bench, one section arranged for sub-irrigation and one with the brick bottom alone, using surface watering. He did this because he thought the bricks had something to do with the extra growth noted. He rather looked for failure of the sub-irrigated bench through the adherence of the men to

the old way in the same house, but he did not consider the matter settled. He intended to try it again next year. One difficulty he noted was that the south side of the bench had more light and the evaporation was greater there, and the back rows showed signs of overwatering.

Prof. Arthur said that the beneficial effect of the brick bottoms, even without sub-irrigation, was due to the fact that more air was admitted to the soil, which was a very decided advantage.

Mr. Dorner said their bench had been imperfect as they had failed to provide an overflow, but they had placed a plug in the bottom which could be removed and the bench drained when too much water had been given. He recommended a means of draining the bench as well as an overflow. He told of a Tennessee florist who had tried sub-irrigated benches and was so well pleased with the sys-

From Boston and vicinity, Wm. Nicholson, E. M. Wood, P. Welch, W. J. Stewart, F. A. Blake, Peter Fisher, From Chicago, W. N. Rudd, J. C. Vaughan, Jas. Hartshorne, G. L. Grant. From Cincinnati, R. Witterstaetter, E. H. Giesy, Aug. Hoffmeister, Edw. Hoffmeister, W. H. Sunderbruch. From Cleveland, J. M. Gasser, H. A. Hart, A. Schmitt, Mr. Schmitt, Jr.

From Buffalo, Wm. Scott, Alex. Scott, W. J. Palmer, W. F. Kasting. From Detroit, Geo. A. Rackham. From Grand Rapids, Mich., Geo. F. Crabb, Henry Smith. From Lafayette, Ind., F. Dorner, Jr., Prof. J. C. Arthur. From Ft. Wayne, Ind., W. J. Vesey. From Lancaster, Pa., A. M. Herr and wife, H. D. Rohrer. From Kennett Square, Pa., Wm. Swayne, Louis B. Eastburn. From Richmond, Ind., J. A. Evans and wife. From Syracuse, N. Y., L. E. Marquisee. From Jamestown, N. Y., A. L. Thrall. From Bradford, Pa., W. C. Rockwill.

From Bloomburg, Pa., J. L. Dillon. From Oakland, Md., H. Weber, Wm. Weber. From Pittsburg, E. C. Ludwig and wife. From Avondale, Pa., W. R. Shelmire. From Kingston, Pa., Geo. W. Carr. From Wilkesbarre, Pa., Geo. Fancourt. From Wilmington, Del., Robt. Lockerbie. From New Haven, Conn., Prof. Britton.

Among the Philadelphians we noted W. K. Harris, John Wescott, Edwin Lonsdale, J. Wm. Colflesh, S. S. Pennock, J. D. Eisele, Walter Mott, Edw. Reid, John Burton, Robt. Craig, W. P. Craig, Alex. Scott, John Walker, G. C. Watson, Jos. Heacock, David Rust, Chas. D. Ball, W. H. Taplin, H. Bayersdorfer, Paul Berkowitz, H. F. Michell, Geo. A. Strohelein, Isaac Kennedy, John Kuhn, J. A. Ruppert, Jacob Becker, F. P. Myers, M. Reukauf, J. L. Pennock, A. B. Cartledge, J. P. Habermehl, Hugh Graham, C. Longinotti, Henry Pennock, John Welsh Young, H. T. Dumont, Geo. Craig, Geo. M. Moss, D. D. L. Farson, S. S. Skidelsky.

We expect we have failed to mention quite a number that were present, as our notes were very hurriedly made.

Notes.

Mr. Thos. W. Lawson, of Boston, was elected an honorary member of the society.

The sessions were held in the club room of the Philadelphia Florists' Club, a home of which the Philadelphians may well be proud. A large glass case extended across one end of the large room is filled with trophies won by the bowling and shooting teams.

There were 129 people at the banquet on Friday evening.

Rain on the snow made travel exceedingly difficult, but a number of the local establishments were visited by most of the visitors.

The Banquet.

On Friday evening the members of the Carnation Society were entertained by the Philadelphia Florists' Club at a banquet in the lecture room of Horticultural Hall, the same room in which the exhibition had been held. The flowers that had been on display made a grand decoration placed on the tables and around the room. The menu was very elaborate, as can be seen by the copy below:

1. Oysters—Points on the New Blue. Irrigate.
2. Puree of Fancy Rubber Necks—Seedlings and soldings.
3. Broiled Cerise Steaks—Fisher's latest—guaranteed without rust. Irrigate some more.
4. Roast Pink Stakes—Expansion pattern—Good underpinning—Toadstool dressing.
5. Punch a la Lawson—Rather rich—sample carefully. Another slight irrigation.
6. Pullet Salad—Gun Club Pull.
7. Roast Blue Rocks—Wissinoming sauce.
8. Christmas Returns Snapper—Very fancy—Ice box dressing—Retail style. Now then, all together—Ir-ir-irrigate! Assorted Hoe Cakes. Fruits of Experience. Roquefort Buttercups—Cheese it. Liquid Copperdine. Irrigate. Spifligate. Fumigate.

With the arrival of the coffee and cigars, President W. K. Harris, of the Philadelphia Club, introduced Col. Wm. Smith, ex-Mayor of Philadelphia, as toastmaster, and before the evening was over it was decided by unanimous vote that Mr. Smith scored 100 points by the last adopted scale of the society. He was equal to every occasion and proved himself a past master of repartee.

President Nicholson, of the Carnation Society, responded to "Our Guests." He spoke of the gratification all felt at the successful meeting just held and especially the splendid exhibition, and predicted equal if not greater success of the meeting in 1900.

"Our Country" was the toast assigned to President W. N. Rudd, of the Society of American Florists. He said that for the last few days he had almost forgotten the existence of any other organization than the American Carnation Society, but he now recalled that the mother of all the other trade associations, the Society of American Florists, was still doing business at the old stand and must not be forgotten. His heart had been too full of this thought to leave room for anything regarding the toast assigned him.

Robert Craig, speaking to "Our City," referred to the great storm that had threatened to limit the attendance at the meeting, and he rejoiced that the florists had turned out so nobly and made such a splendid exhibition in spite of adverse conditions. He thought that one of the proudest claims of Philadelphia was that more

of its working men owned their own homes than in any other city in the country.

"Horticulture" was the broad subject assigned to William Scott, and he responded in one of his inimitable speeches that was received with frequent rounds of applause. He started with the dawn of vegetable life upon the globe and traced the progress of same up to the Mrs. Lawson carnation, illustrating the various points by a succession of apt stories. There were several witty passages between the speaker and the toastmaster that added tremendously to the hilarity of the occasion.

W. J. Stewart, secretary of the S. A. F., responded on behalf of "Floriculture." He recalled the remark of an old employer of his who said that a man who loved flowers could not be a bad man. While horticulture is one of the oldest of occupations, floriculture is its highest development.

In responding to the toast "The Divine Flower," Mr. E. M. Wood expressed the belief that the publicity given the sale of the Lawson carnation had, by bringing the carnation prominently to the attention of the whole civilized world, done more than anything else to advance the interests of the flower with the general public. He did not consider the price paid an exorbitant one, for while the great picture, The Angelus, for which \$183,000 was paid, gave pleasure to but one family, the new carnation, costing but \$30,000, could be used to give pleasure to every home in the land.

At this point the toastmaster, in a very witty speech, presented to Mr. L. E. Marquisee the cup he had won with his new carnation, saying that even to the salt district of Syracuse there might come something fresh, and suggested that Mr. Marquisee had found it a "mark easy." The recipient responded with equal effect, saying: "I am happy to say that in the city of Philadelphia I have made my Mark-u-see."

Mr. Jas. Hartshorne was then presented with the medal won by the Chicago Carnation Co.

H. F. Michell spoke for the seed and nursery trade, and among the novelties noted when abroad he mentioned Aster Hohenzollern, Primula Forbesii and Statice Siberica. In referring to the bulb trade he expressed the belief that the Bermuda growers of Harrisii lily bulbs would do better to double the price and send out but half the number, destroying every one with a tendency toward disease.

G. L. Grant spoke for "The Press."

John Westcott said he felt proud of the Philadelphia Florists' Club and said that they verily did "strive mightily, but eat and drink as friends." They expected to strive mightily at Detroit next August and to gather in all the trophies in sight.

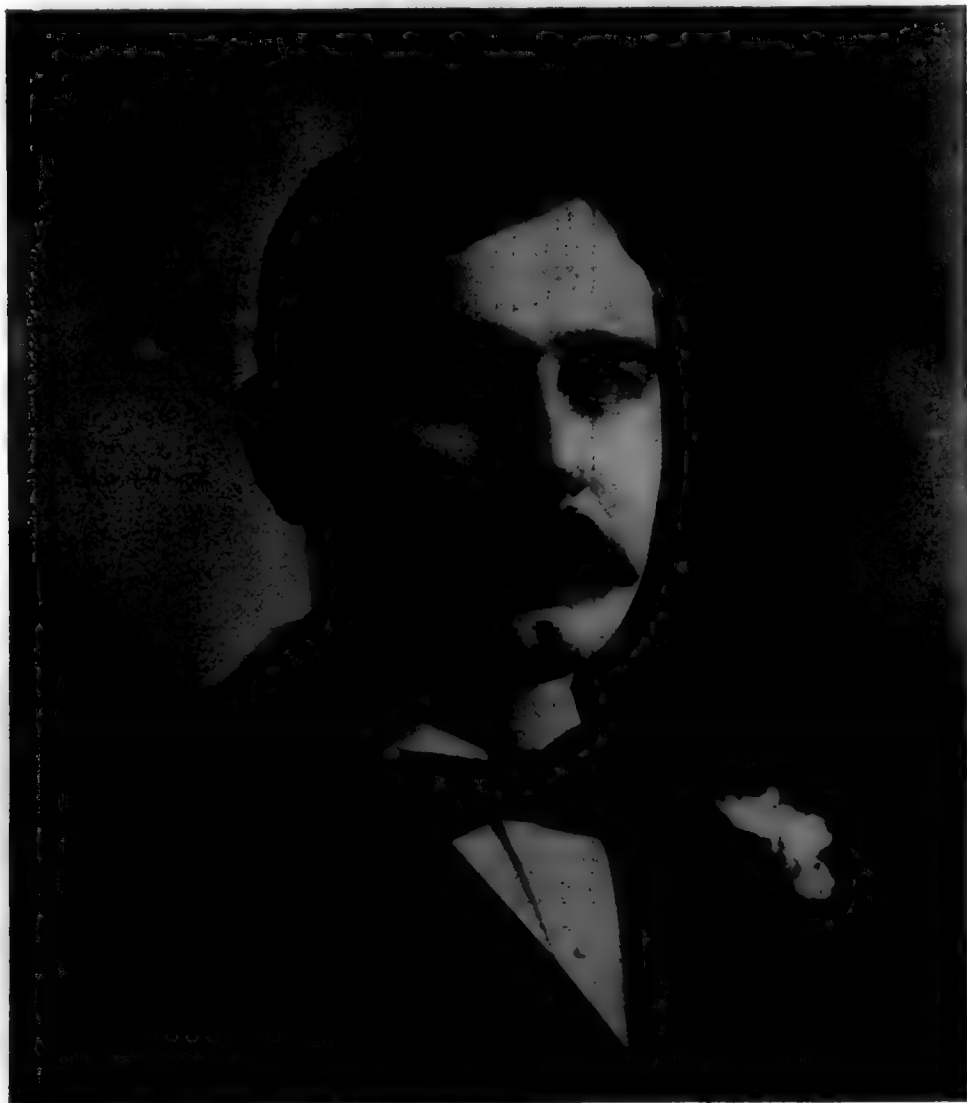
John Burton thought that "The

Day's Work" was a subject that should have been assigned to a commission man and not to a grower. He said it was well known that the grower didn't do any work, and that all the real work was done by the commission man.

Vice-President-elect Kasting was called upon to speak for the commis-

Then let us give three cheers for
The club they represent.
Fill up your glasses and drink
To your hearts' content;
For we'll not leave this hall
Till we get good and tight—
Let's have a hot time in this
Old hall tonight.

To the visitors here tonight
I have a word to say:
I hope you'll all enjoy yourselves



W. F. Kasting, Vice-President-Elect American Carnation Society.

sion man, but confined his remarks to the hearty welcome that would await the members at Buffalo next year.

Mr. J. N. May told what might be looked forward to "In 1900." He believed that the marked advance of the last decade would be equalled or exceeded in the next and hoped all would prepare to help carry on the great work.

The program was interspersed with songs and recitations, the warmest of the songs being the following original one by John Walker, arranged to the air of "A Hot Time in the Old Town:"

There's our president, Mr. Harris,
The bard of old Kingess,
And the brave old Duke of York,
Who as a scribe is a success,
And our treasurer, William Colflesh,
Who has his eye upon the tin,
And draws a line upon the boys
When they try to blow it in.

While with us you may stay.
And may you be filled with new ideas
Upon returning home,
That you will each produce a seedling
To beat anything that's known.

Ward, they say, has a gem in 36—
For size, I am told, it beats Lawson by
an inch;
And when he gets that 5,000 balls
He'll buy us all a drink,
And we'll have a hot time in
Some old town that night.

Now, there is Peter Fisher, from a little
town in Mass.,
And there is Thomas Lawson who, with
30,000 cash,
Surprised all carnation lovers by hang-
ing up 30,000 more in gold,
Which he will give to the man whose
seedling will knock Lawson cold.

Now, boys, get to work and do your level
best;
We have seen Hanna Hobart sent by
Sleivers from the west,
And there will be a jolly round-up in
February next,
And there'll be a hot time in Pink town
that night.

Edwin Lonsdale sang his famous song, "The Brave Old Duke of York," in his bravest style, and the whole company joined in "Auld Lang Syne," led by the soloists and accompanied by the piano.

It was a suitable closing of a most entertaining evening.

CARNATIONS FROM THE RETAIL STANDPOINT.

BY ROBERT KIFT.

[Read before the Philadelphia Meeting of the American Carnation Society.]

As a representative of one branch of the carnation industry, I cannot but feel complimented at being asked to present my views on this important section of practical horticulture.

Some twenty odd years ago, when I graduated from a greenhouse to a city store and chose this branch of the profession, there were but few strictly retail merchants and not a solitary commission dealer in the whole of this broad land. In most cases the city store had been established as an outlet for the product of the country greenhouses of the society. Carnations then formed but a small percentage of the florist's stock. President DeGraw, La Purite and a few Astoria are the only varieties I recollect. Long-stemmed flowers were not demanded in these early days, and it was considered a great waste to cut a bud with an opened flower. We used to pack the stocks away in damp moss on trays. If at this time anyone had prophesied that carnations would some day bring two dollars per dozen at wholesale, he would have been thought a trifle flighty. The famous carnation belt of Chester County was commencing to send in flowers about this time, just a few, by the farmers who sold them in the market along with their butter and eggs. There was not much thought of new varieties then, but I remember a few years after this, when a dark red carnation came to us from Boston—I think it was called Defiance—and then the Grace Wilder which was the champion "pink" for so long a time until the Great Scott of Buffalo was ungallant enough to displace her.

In these early days flowers came from the growers in all sorts of receptacles. The boxes had always done duty before. There were glass, tobacco, pepper, soap, gum-boot boxes; any old thing, so it would hold together was thought good enough. The flowers were put in helter-skelter, short and long mixed up. Such a thing as bunching them in varieties was not thought of, and it was only after considerable agitation that anything like system in packing and shipping was brought about. This mention of long-stemmed flowers brings us up to twelve or fifteen years ago, when, with more competition and flower buying, there sprang up a demand for flowers with other than artificial stems, and while, to get such stems, buds had to be sacrificed,

it was found to pay, and the progressive growers soon had a large following, until finally the plan was adopted by all.

I only make mention of these early days to show how we have progressed. As for the past few years the cutting, handling, packing and shipping of flowers have been reduced to a science and there is little to be desired.

Contrast the old system with the neat pasteboard boxes containing fifty to one hundred select flowers of this or that variety, laid in carefully, with all the foliage, now seen coming in from our best growers, and who will say that we have not made great strides in the right direction? Carnations of the present day, with but few exceptions, are one hundred percent better than those of ten years ago, and probably, judging from a look about the present exhibition, in five years from now the same statement will hold good of this time, and John Thorpe's ideal of the four-inch flower will be a reality.

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CHRYSANTHEMUMS

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Put the old stools up on the bench in a cool house, the carnation house or violet house will suit admirably as regards temperature, and commence to give them more water than they have been getting. They will soon push up their young growths and propagation can commence immediately with the early kinds and such others as you may wish to increase to any great extent. During February and March all the early varieties should be propagated if possible then they have lots of time to grow and make a good stem and flower. It is no use to expect a good flower and a three feet stem from a plant, of, say Glory of the Pacific, that is not rooted till June. Very slow growers should also be rooted as soon as good cuttings can be obtained. Bonaffon, Mrs. Jerome Jones and Solar

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When the cuttings are made they should always be dipped into tobacco water or some other insecticide to kill off any black fly that may be around. This little pest sticks to the mum closer than a brother and rarely indeed are plants entirely free from it. Black fly, however, is not so bad as some of the other ills the mum is heir to and the worst of all unless signs fail will be the rust this summer. England had a bad attack last year and I venture to predict that at the present time not half a dozen big growers in this country could swear their stock was free from rust. Where large numbers of plants are bought rust is sure to make its appearance and the way it spreads is a caution to snakes. If your own collection is

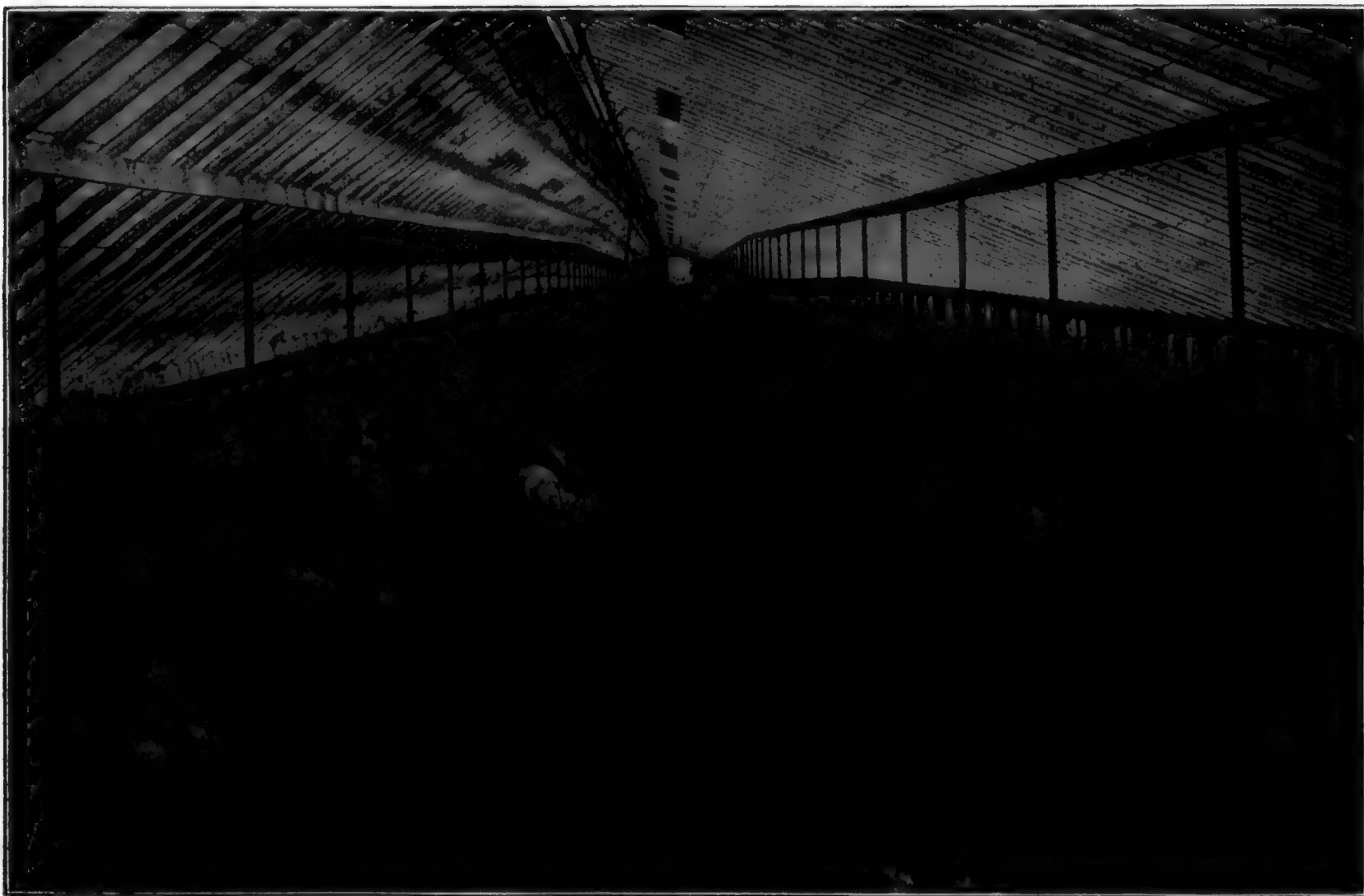
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House of Armazindy Carnations at Wictor Bros., Rogers Park, Chicago.

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it was found to pay, and the progressive growers soon had a large following, until finally the plan was adopted by all.

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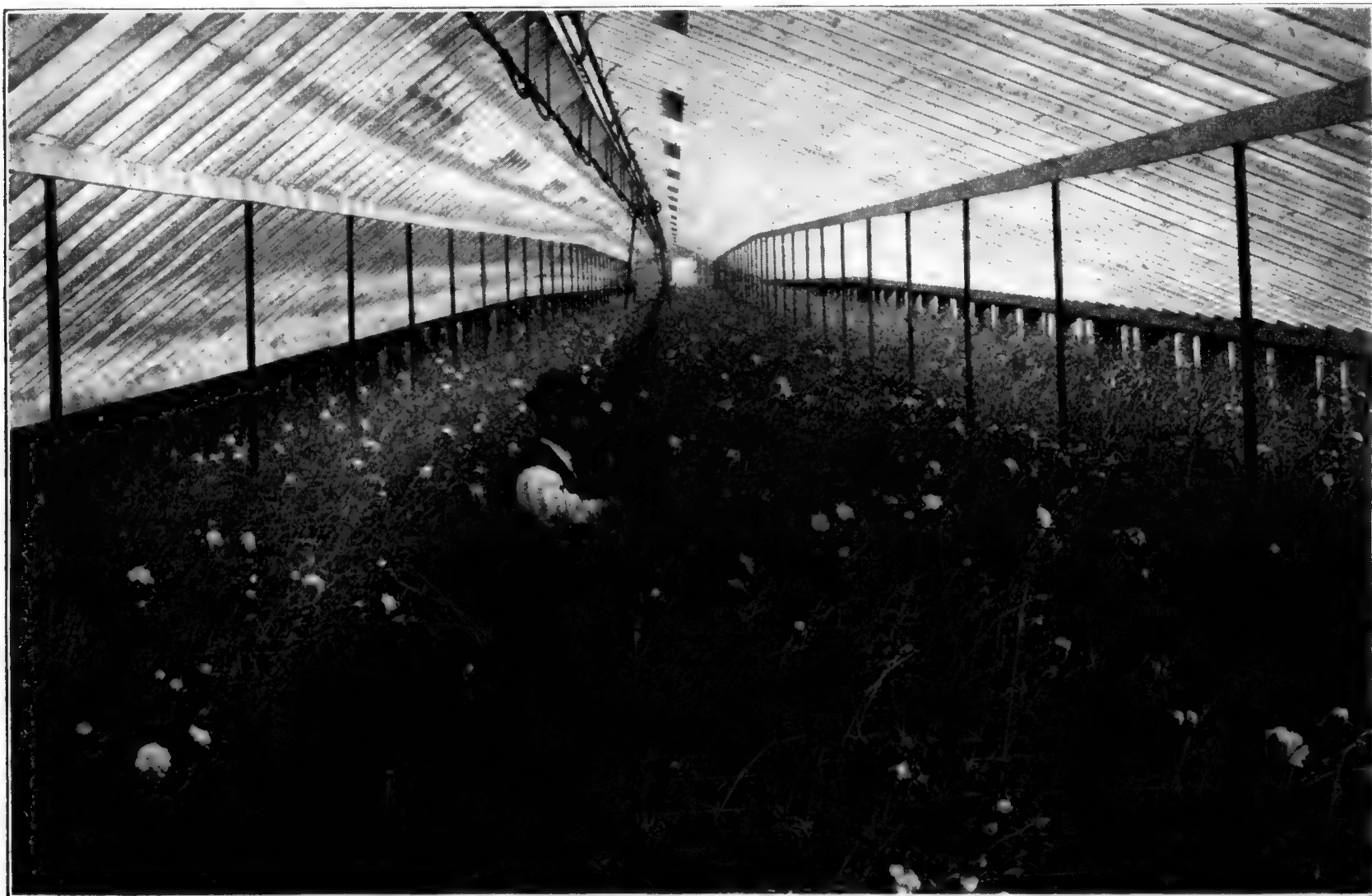
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are many inferior and worn out varieties on the market.

A long list of varieties may give some prestige as an advertising medium, but its usefulness ends there. There are about 3,000 named varieties of roses, and yet less than a score of varieties seem to meet and fill the popular demand. A recent English work recognizes over 860 named varieties of dahlias, as a partial list only, and yet I venture the opinion that after 100 of the more distinct varieties were selected from this list the remainder would be found to consist very largely of duplicates of the list selected, or of colors so inferior that they would be undesirable.

The grower should retain only the best, and not try to multiply many varieties of the same color. Clear, bright colors, with good stems and forms, give the best satisfaction. Fancy or variegated colors also have their admirers, and in shows and large collections play a very important part; but this class is but little used for decorative work. W. W. WILMORE.

Denver, Col.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

520-535 Caxton Building, Chicago,

334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/4 page, \$13.50; full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.

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CARNATION IMPRESSIONS.

A full report of premiums and certificates will appear in another column; at least, I have every reason to believe it will, as the editor and publisher, Mr. G. L. Grant, himself, was present. What interests the readers of the Review mostly is what are the best existing varieties; who took premiums on older varieties is of less consequence. While, however, on this subject, it is most important to note that varieties introduced two and three years ago were shown in better form at Philadelphia as to size, form and stem than the day that their owners first staged them and asked for certificates. To expect any great departure from existing varieties is unreasonable and illogical. In the selection and improvement of varieties belonging to any species, the process is slow. If we sought only a stout stem, or may be only great size of flowers, or perhaps a perfection of color, or an intensity of fragrance, greater development in any of those lines could

have been produced, but the standard of today asks not for one of these qualities, but the highest development of all, and if a new seedling is deficient in any one of the qualities of stem, form, color, substance, or size, the owner may as well not bother to introduce it, for there are varieties now existing that cover all these great essentials in the Divine flower.

From observations at Philadelphia it seems that culture has much more to do with quality of flower than heredity. Daybreak is now at least ten or twelve years old, and you see it in many places a very medium-sized, weak-stemmed flower, yet it is the direct parent of our largest and best varieties. Daybreak, when well grown, is still distinct and grand, and possibly the best all around commercial carnation grown if you take the country at large. Several varieties were exhibited at Philadelphia so like Daybreak that very properly no great notice was taken of them, although beautiful flowers.

But enough of this. The writer has little desire to cast ice water on any aspirant, but I still repeat that culture is of more consequence than the acquisition of new varieties. And to invest in a new variety, you should find out what soil the raiser was using with his variety, whether stiff or light, a black muck of Kalamazoo, or the fine loam of Long Island. A very simple explanation will give you a better idea of what I mean. In our own neighborhood of Buffalo the soil varies every few miles. In the strong clay soil of Lancaster, a few miles east of Buffalo, Daybreak grows to perfection and Scott doesn't. Another 15 miles east there is a dark but very friable loam largely impregnated with lime, and there Scott is good and Daybreak is small. I only give this as an illustration that few of us are so situated that we can do justice to all, and what we can grow well should be our choice. The matter of temperature and watering is comparatively easily learned and he is not a student or deserving of success if he does not follow out the instructions of men of greater experience. But soil is different. We can feed and stimulate by manure, yet it will not alter the texture and natural ingredients of the soil.

The display of the superbly grown flowers, both the standard varieties and those introduced this winter, is almost beyond conception. I shall put at the head of all Mrs. Lawson, now too famous to require any initials. In size, stem and form it is ahead of anything yet produced, and what's the matter with the color? Really nothing.

Of all the perfectly formed flowers of the largest size, perfect in symmetry, fullness, substance and its finely variegated colors, John N. May's Olympia is the queen. It is undoubt-

edly the finest formed and largest carnation yet introduced, and the only fault was a slight tendency for the immense flowers to bend the stems. In form and size it is a great improvement on the well known Mrs. Bradt. When Mrs. Bradt was first shown at Cincinnati two years ago, the flowers hung over the side of the jar like a nepenthes, but look at them as grown by Ward or Dailedouze.

C. W. Ward had a grand vase each of Maceo and Gomez. In form, substance, size and stem they are grand. Maceo, most perfect, is several shades darker than Gomez. They are both acquisitions to the maroon section.

G. H. Crane, which showed up so well at Chicago, was again seen in grand order. It is doubtless The scarlet. The raisers, F. Dörner & Sons Co., showed two grand vases, but the long journey had robbed them of their bright color. As shown by C. W. Ward it was grand in every respect.

The Marquis, shown by L. E. Marquise, of Syracuse, is a magnificent pink, and earned the certificate of merit.

J. Whitcomb Riley also gained a certificate, and well it deserved it as grown by Dailedouze Bros. It is about perfect, and in form, size, substance and stem is perfect up to present ideals. Its color only can be criticised, not quite enough color to be called a variegated and too much color to pass for a white.

Those mentioned above all scored sufficient points to receive a certificate of merit, and they had to be about perfect and up to the ideal to do that. No allowance was made for a long journey, poor packing, or any other accident. They were judged just as they appeared. While they may be honestly said to be an improvement on any previously disseminated varieties, do not forget that many of those introduced in 1897 and 1898 were shown in grand form by more than one grower. White Cloud was superb in every way, and some vases of Flora Hill and Evelina were very fine. Old Jubilee, which we hear many complain of, loomed up superb in brightness, size and stem. Mrs. James Dean, New York and Mrs. Bradt are all grand in every way. New York strikes me as indispensable with every grower.

Mr. Rudd brought Cerise Queen all the way from Chicago, 52 hours on the journey, and Mr. Rackham brought it from Detroit. It is one of the very best carnations, and both gentlemen say their best money maker. One hundred blooms of Mayor Pingree traveled from Chicago and took first prize for yellow. Enough said; space forbids me to mention many other varieties.

One, however, I have quite overlooked, and that is Melba, shown by John N. May and Robert Craig & Son. If it were not for the advent of Mrs.

Lawson and the sensational features surrounding it, Melba would be the talk of the season. Its beautiful shell-pink color, size, stem and form leave nothing to be desired.

The improvement of the carnation within five years is truly wonderful. The price per dozen which some growers said certain varieties should bring at retail five years ago seemed then absurd to many people. Now it does not, and I cannot see why a dozen of many of the finest varieties, which we have so lately had the pleasure to see, should not bring as high a price as a dozen Meteor or Bridesmaid roses.

Considering the storm which, it appears, has affected the whole east, the exhibition was gorgeous. We missed the veteran E. G. Hill, and others, but great credit is due to the many who did get there with their exhibits, and in most cases apparently none the worse. We look forward to Buffalo's convention to surpass all previous ones. Geographically it will suit all and we promise every facility to make it so, and good behavior from one who will most likely have to help in some humble capacity.

WILLIAM SCOTT.

SIDE LIGHTS.

A subscriber from far away Oregon writes: "I want to build a house 20x50 feet north and south in length. Would it be necessary to have window lights on the east and west side walls, roof three-quarter span?" It would be the height of folly to build a house with ridge running north and south, three-quarter span. The houses which are approved by many of our best growers are always built running east and west and the long slope to the south is to obtain more sun. If your house must run north and south then let it be equal span. The side lights are of great value, and whether it be plants or flowers you intend to grow, 18 inches of glass on both the east and west side will make the side benches of much more service. The side walls may be 4 feet 6 inches, of which 18 inches should be glass. I say should because it is not an actual necessity but a great advantage and will repay in a few years the extra expense that the side lights cost.

WM. SCOTT.

LILIES.

A subscriber says: "Please give treatment of Easter lilies so as to get the largest blooms. Should the pots be sunk or plunged in the soil of the bed and should liquid dressing be used? If so, how often and how much?"

If the lilies are in a liberal sized pot, say, one plant in a 6-inch, and they are not forced at a great heat, there is seldom any occasion for either plunging or liquid manure to be used.

Large flowers are not so desirable; a medium sized firm flower that has been grown in a temperate atmosphere, say, 60 degrees at night, is all you want. If the pots are small and the plants are suffering for root room, give them liquid manure. It will help to keep the foliage fresh and green. Half a bushel of cow manure in 50 gallons of water is a safe and good liquid. Lilies now want a daily watering and the liquid can be given three times a week or every alternate watering. If again they dry out very fast I would not advise plunging in soil, but to keep down evaporation from the pots you can, if it is necessary, plunge the pots in tobacco stems, spent hops (best of all), tan bark or any easily handled material you have.

W. SCOTT.

NEW YORK.

Weather Conditions—The Market.

We tried to reach your office last week, but could not, on account of the great mountains of snow between us. What a climate this is, today it is 60; last Tuesday it was 6 below zero. The terrific storm of last week was the severest New York has ever suffered. Every florist's window was a sheet of frosted glass; every street was jammed with snow, many of the drifts reaching a height of 6 to 8 feet; traffic and trade paralyzed, and more particularly the florists' trade. Important dinners and other society functions requiring the services of floral artists had to be put off; shipments of flowers were frozen up in snow banks along the Hudson and in Jersey. Very few flowers reached New York on February 13, and there were none at all on the 14th. Lots of violets were ordered for Valentine's Day, but ne'er a one was obtainable, except those left over for days. It is impossible at present to estimate the amount of damage done by this storm and spell of arctic weather. Reports of greenhouses being blown down or stock frozen are numerous, and the havoc among tender shrubs is very great.

This week, however, we are having very mild, sunny weather, and in consequence all kinds of flowers are most abundant, bulb stock especially. Prices are considered low—very low; but then it is only consistent for them to be so during Lent, and perhaps this year (taking into consideration all the drawbacks) is just as good as other years. The florist's business is a good one. It would be a grand one if it had not so many fakirs in it. Dishonesty and unlimited credits are the chief curses of our business, and not low prices, and who is at fault?

The principal carnationists of this section are well pleased with the results of the Carnation Society's convention recently held at Philadelphia. They report the quantity and quality of blooms shown as very fine.

New York Gardeners' Society.

The New York Gardeners' Society's exhibition of carnations given at their rooms February 11 was, considering the weather, a great success. Wm. Duckham won the Ward prize with fine blooms of Blush, Mrs. James Dean, John Young, Gold Nugget, Mrs. G. M. Bradt, New York, Gen. Maceo, Alba Superba, and Wm. Scott. G. M. Hay won the society's prize with a collection of magnificent flowers, and Wm. Scott captured the Donlan prize with a very fine white seedling.

The Florist Club.

Of course, we are late in speaking of the Florists' Club dinner, but a right good thing is always in order, Mr. Editor, and the club's dinner this year was one of the most enjoyable ever held. It was given at Morello's, on February 9, and in the very room where, long years ago, on similar occasions we had the great pleasure of listening to those famous departed apostles of floriculture, Peter Henderson, Wm. Elliott and Charlie Anderson, convulse the boys with wit and story. Sixty sat down to dinner this year, and even at this late date we hear nothing but praise for the enjoyable time arranged by the dinner committee. The music was under direction of Professor Turner and everybody got what they wanted; songs were sung and stories were told by most of those present. The flowers on the tables were magnificent, and Lawrence Hafner deserves great credit for the manner in which they were arranged.

There was no meeting of the Florists' Club on Monday, the 13th, the weather being too bad, and for the same reason the bowling match between New York and Flatbush florists did not take place. This match will, however, be played on Monday afternoon, March 13. There was quite a large gathering at the alleys Monday night, the 20th. It was an off night for champions; still, the fun scores were very high. Following is a fair average of the games:

Manda	137	153
Leuly	153	160
Hafner	123	132
Traendly	112	123
Werner	74	...
Plumb	150	120
Burns	145	132
O'Mara	142	148
Bunyard	112	113
Donlan	118	122
Davis	89	107

Various Notes.

There is one Greek florist less in New York. Ferrantos was his name. He was shot by one of his fellows last week. Brigands in Greece—florists in New York. No wonder the business has gone to —.

Sickness is very prevalent among the wholesale florists in this city. The most serious case is that of Thomas Young, Jr., who is very dangerously

ill with pneumonia. The greatest anxiety is felt for his recovery. Mr. Young can be ill spared from a business in which he has been a shining light for so very many years, and all hope for his speedy recovery.

IVERA.

BOSTON.

Review of the Market.

For the beginning of the Lenten season the dealers here have had rather a variety of business; it has been good, it has been indifferent, and one day it was at a standstill. The weather has been rather against any great rush at any time, and the consequence has been that the volume has not been up to the standard of the past few weeks, and on Saturday considerable stock had accumulated, most of it being of low grade. Roses, especially Brides and Maids, are again coming in in good quantity, and a nice rose can be had for \$6, with some selling at \$4, and from that to \$16 per 100. Beauties are still held at the same figures as quoted for several weeks past. Meteors sell at same figures as Brides.

Carnations are plenty, but with no perceptible change in price. Whites seem to have the call; average quality held at \$1.50 per 100, with fancy whites selling at \$3. The stock of Daybreak is not large and they sell well at \$2 for common stock to \$4 for bang-up blooms; Scotts \$1.50 per 100, with Joost and fancies running to \$3 per 100; Bradts still bring \$6. Violets plenty, from 35 to 50 cents per 100. Bulb stock is very much in evidence, running at \$2 to \$3 per 100. Valley fine, \$4 per 100.

The News.

The prevailing topic this week has been the big storm and the visit of President McKinley to "The Hub." Owing to the former, several of the craft who lived outside of the city were obliged to spend a couple of nights in town, the railroads and electrics being completely blocked. There was hardly a grower to be seen on Tuesday, and no buyers, so nobody was very much disappointed. Considerable loss of glass has been reported, large in the aggregate, but with a small individual loss.

Galvin and Twombly were benefited by the visit of the President to Boston, both receiving good orders for decorating. Bunker, the Parker House florist, furnished the plants and flowers for the Hotel Touraine during the stay of the party at that hostelry.

Owing to shortness of appropriations the city has laid off a few of its greenhouse and garden employees.

W. Rolker and Mr. Boddington, of New York, have been visitors this week.

At the meeting of the Gardeners' and Florists' Club, those who braved

the storm were very pleasantly entertained by Professor Brooke's lecture on Feeding Plants and the debate which followed.

The managers of the Market Trade Show report that quite a lot of the new carnations will be on exhibit, including America, Melba, Evanston, Lawson, G. H. Crane, etc., etc. Mr. C. W. Ward, of Queens, will also show some of his new varieties. P.

WASHINGTON.

Trade for the past ten days has been at a standstill, owing to the extreme cold; the lowest point reached was 16 degrees below, the coldest weather for many years, with snow 37 inches on the level. Traffic was suspended for several days. Some of the largest firms lost heavily, owing to the preparation for a large business the week before Lent. Among the heavy losers were Clark Bros., who had a house cave in on account of heavy snow drifts. Among other losers were Messrs. Studer and Lewis, by frost. Many had trouble in getting coal, it bringing from \$8 to \$12 per ton.

The marriages of C. Schellhorn and Geo. Field were quite a surprise, both of which took place within one week of one another. Congratulations in order.

Mr. John Fallon, Staunton, Va., recently met with a serious loss by fire, his handsome residence being destroyed and family barely escaping. The building and contents are a total loss. His many friends in this city extend their sympathy.

Visitors: Albert M. Herr, Lancaster, Pa.; E. Lonsdale, Philadelphia; F. X. Millman, Cumberland, Md.

F. H. KRAMER.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

FOR RENT OR SALE—First class retail stand, 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

SITUATION WANTED—A florist and decorator of unquestionable ability, desires situation in large city. Is employed at present but has good reasons for desiring to make a change; best of references. Address 19, care Florists' Review.

SITUATION WANTED—By experienced, all round commercial florist. Address X, care Florists' Review.

SITUATION WANTED—After March 1st, by a grower of roses, carnations, violets, mums, general stock, etc. 17 years' experience in all branches of floriculture. Address W., care of Florists' Review.

SITUATION WANTED—By a single German, age 36, as an assistant in greenhouse, has had 15 years' experience; private or commercial place. Address H. W. H., Florists' Review.

SITUATION WANTED—By middle-aged garden-er and florist, thorough in all branches of horticulture; married, no children; good habits; best references; private place preferred. Address E. M., care Florists' Review.

SITUATION WANTED—By good all 'round grow-er: single, 30 years' old; best of references. Address K. L., care Florists' Review.

SITUATION WANTED—By practical florist; Ger-man, 38 years of age, with 21 years' experience in roses, carnations, violets, and general bedding plants, can furnish the best of references. Address C. H., care Florists' Review.

SITUATION WANTED—By a first class all-around florist, grower of roses a specialty; carnations, mums and general stock; good propagator; also palms, ferns; 23 years' experience, single, best of references. Address F. S., care of Florists' Review.

WANTED—Three or four men as assistant rose-growers and for propagating and potting work. Apply to Bassett & Washburn, Hinsdale, Ill.

FRANCIS BRILL, Hempstead, Long Island, N.Y.
Specialist in
Cabbage and Cauliflower Seed

Mention The Review when you write.

BRIDES and BRIDESMAID
ROOTED CUTTINGS.

\$1.50 per hundred, - - \$12.50 per thousand.

What can you offer in trade.

H. M. Altick, Dayton, Ohio

Mention The Review when you write.

500 Cinerarias...

8-in., finest mixed, ready for 4-in. pots, \$4.00 per 100. 500 **Coleus**, 3-in., full of cuttings, 20 varieties, \$3.00 per 100. 2,000 2½-in. **Coleus**, 20 varieties, \$2.00 per 100. 500 **P. Paulina Agrotum**, 2-in., \$2.00 per 100. Cash with order.

BERNO FLORAL CO.,

181 to 187 Hedges St., MANSFIELD, O.

Mention The Review when you write.

Dahlias

Strong field-grown roots, \$8 per 100. Assorted in ten or more varieties, each plant labeled with name and color, printed on wooden labels and wired fast. The most convenient way to have them for retailing. Descriptive catalogue and wholesale trade list of ornamental nursery stock sent to those in the trade.

Sam'l C. Moon, Morrisville, Bucks Co., Pa.

Mention The Review when you write.

WHAT DO YOU WANT?

20,000 Cannas—Mme. Crozy, Chas. Henderson, Austria, Burbank; A. Bouvier, Queen Charlotte, 2c. **Florence Vaughan, Italia, Peachblow, Alsace, 4c.** Flamingo, Phila. and Maiden Blush, 8c. **Pelargonium Victor**, Weeping Lantana, Ampelopsis Veitchii, Golden Glow, 50c doz. **Genista for Easter**, 4-in.; **Vinca Var.**, 4-in., 75c doz. **Violet—Pr. Wales**, \$1.50 per 100; California and L. H. Campbell, \$1 per 100, all extra strong **Fall runners**. Scott, McGowan and Portia R. C., \$1 per 100; Eldorado, \$1.50 per 100.

BENJ. CONNELL, Florist, West Grove, Pa.

Mention The Review when you write.

National
Florists'

Publishers of
Credit Lists.
Collections Made.
Reports Furnished.
Correspondence
Solicited.

Board of Trade...

Cornellus S. Loder, Sec'y, 271 Broadway, NEW YORK.

Mention The Review when you write.

FOR SALE

Only 20 miles from St. Louis, the best cut flower market in the United States, and in city of about 10,000 people, with no opposition, good retail trade, cleared 25 per cent on price asked for greenhouses, which are new and modern in construction. This is undoubtedly one of the best ever offered for sale. Write at once, if you mean business, for a general description. Address J. B., care of Florists' Review.

PHILADELPHIA.

Weather Conditions.

The past week has been a week of snow storms, with business as low as the thermometer, figuratively speaking. Had there been a demand, it would have been impossible to meet it, owing to the heavy snow, which served to block the railroad traffic. It was impossible for the growers to get in town with their stuff in many cases, their time being taken up in propping their houses in order that they might resist the heavy burden of snow that lay on them.

We are informed that H. C. Alburger, grower of bedding stock, was partly frozen out. Like many others, he did not anticipate a blizzard, and, unfortunately, did not have sufficient fuel to carry him through the storm.

H. Schoenfeld, formerly with Pen-nock Bros., had his stock also partly damaged, through some of his houses getting below freezing point. He is also a grower of bedding stock.

The body of Andrew Dibley was found hanging to a rafter in the green-houses on Tuesday. He was 50 years old and was employed by Christian Kohler, a florist at Second street pike and Cottman street. No reason assigned for the suicide.

Business has been very good in the way of decorations especially. Hugh Graham had the decorating of two large balls given in the Academy of Music. The Floral Exchange also had a large decoration at the Academy on Feb. 7, the event being the Hebrew Charity Ball.

Club Meeting.

The regular monthly meeting of the Philadelphia Florist Club was held in Horticultural Hall, Tuesday eve, Feb. 7. The attendance was not so large as expected, due no doubt to its being a very stormy night. Mr. A. B. Scott read an essay on Grafted Roses for Winter Forcing. Mr. Scott claims that the grafted rose for winter blooming has come and come to stay from the fact that it will produce more extras and firsts than those grown on their own roots with the exception of American Beauty and Perle, which he is not in favor of grafting. Mr. Craig in expressing his views on the subject thought much the same as Mr. Scott. Mr. Dillon is not in favor of grafting Kaiserin, claiming that he gets better results from own root stock in this special variety.

News Items.

Pen-nock Bros. recently had a large decoration at the Union League. We understand that it required all the decorative stock they had on hand to execute it. H. H. Battles had the table decoration. The event was a banquet tendered the peace jubilee commissioners.

Prof. Underwood, from the Botani-

[Continued page 308]

Lily of the Valley

FOR EASTER
FLOWERING

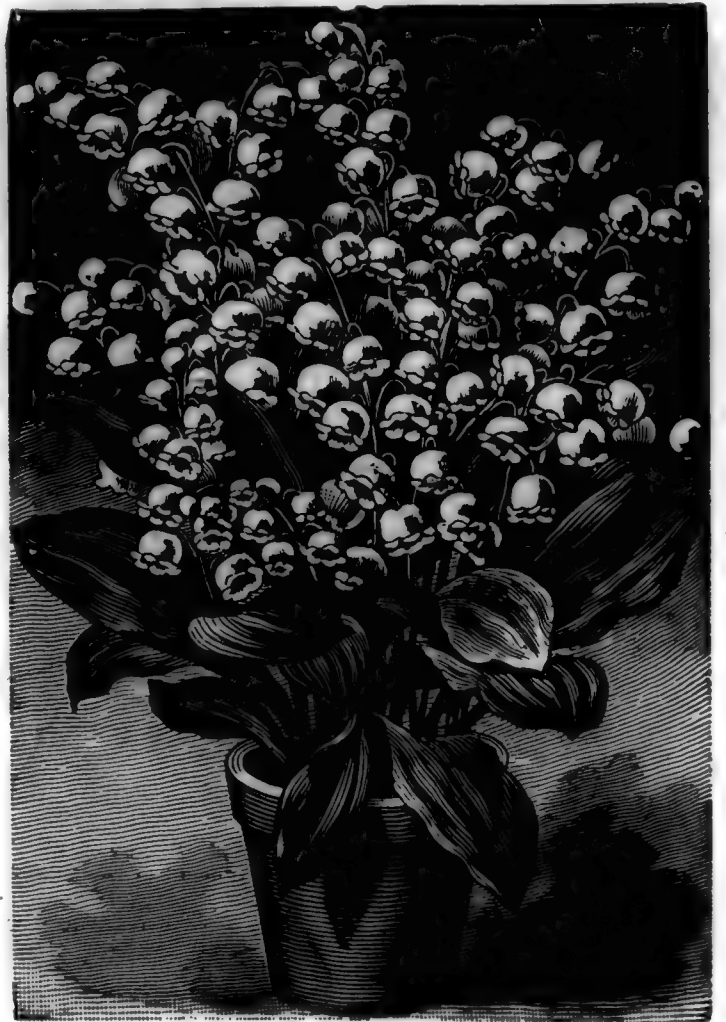
We offer a limited quantity of **HIGH GRADE PIPS** which have been in cold storage for over two months, and are now in fine condition for **EASTER FORCING**.

Cases containing.....

2,500 Best Ham-burg Pips.....	\$25.00
2,000 Best Berlin Pips.....	24.00
1,000 Peerless Brand Pips.....	14.00

Order Early, we can ship on two hours' notice.

HENRY A. DREER,
714 Chestnut St.
PHILADELPHIA.



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Now in Course of Preparation.....

The Florists' Manual... By WM. SCOTT

It will tell you just what you want to know in just the way you want to be told. It will cover the whole field of Commercial Floriculture, the articles arranged alphabetically, so that reference may be quick and easy. It will be a whole library in itself

Price, \$5.00

SEND IN YOUR
ORDER NOW

FLORISTS' PUBLISHING CO.

520-535 Gaxton Building.

CHICAGO.

ANGUS MORRISON,
375 Lincoln Ave. CHICAGO.

**Greenhouse PIPE and
FITTINGS** OF EVERY
DESCRIPTION.

Mention The Review when you write

THE HARRISH DISEASE can be prevented by immersing the bulbs for 5 hours in a half solution of
Kraft's Plant Tonic 99 per cent

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills Hard Shelled Scale, Mealy Bug, and other insect pests without injury to the plant. Send for circular.
KRAFT PLANT TONIC CO. Rockford, Ill.

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The Cottage Gardens,

C. W. WARD, Manager. QUEENS, L. I.

**WHOLESALE GROWERS
FLORISTS' SPECIALTIES.**

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REED & KELLER,

122 W. 25th St., NEW YORK CITY.

Manufacturers of **WIRE & DESIGNS**
and Dealers in

FLORISTS' & SUPPLIES

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Always mention the **Florists' Review** when writing advertisers.

Full line FLORISTS' SUPPLIES, Seeds, Bulbs, Hardy Stock.

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Mention The Review when you write.

[Continued page 9(9).]

Price List taking effect Thursday, Feb. 23.

When Writing Advertisers.

azaleas, lilies, cinerarias, hyacinths, tulips and daffodils, with sales reported good.

Notes.

Mr. E. K. Diemer has bought out the interest of H. J. Falkenhainer in the Diemer Floral Co.

Geo. M. Kellogg, of Pleasant Hill, Mo., was with us a few days last week. Mr. Kellogg reports that he is doing well with his wholesale and retail business in Kansas City, Mo.

W. E. Jordan has given up his retail store at 615 Locust street and will be found hereafter at the greenhouses.

Prof. Trelease, director of Missouri Botanical Gardens, delivered a lecture on Monday night in Memorial Hall on "Gardens and Botanic Gardens."

Otto G. Koenig was married last week Tuesday to Miss Kroeger. Mr. and Mrs. Koenig are spending their honeymoon in the south and will be home in about six weeks.

Willie Holt, foreman for C. A. Kuehn in the wire department, has been quite sick, but is reported better, and will be at his post as usual by the end of the week.

St. Louis Cut Flower Co. had a new ice box built, which will hold about 5,000 roses. It will come in very handy when the glut comes.

The Riessen Floral Co. decorated the Leadercranz Hall last Saturday. The decoration was the finest ever seen in this hall. Mr. Ed Buechel was congratulated by all the members of the society on the good work done.

Carnation growers should not forget our carnation meeting Thursday, March 9, at 3 p. m. Certificates will be given to all new varieties. The March meeting of the club is always the best attended of the year, and the largest attendance in the history of the club is expected. President Sanders says all florists are invited, whether members or not. Don't wait for an invitation, but come.

Bowling.

The Bowling Club had a full attendance Monday and rolled four games. J. W. Kunz was our high man, also high single score, with 194; Finlayson and Beyer, the leaders for The Review prize, rolled poorly. Next Monday great excitement is expected, as that will be the last rolling night for the prizes. The scores were as follows:

	1	2	3	4	To.	Av.
J. W. Kunz	161	194	147	131	633	158
Emil Schray	160	171	172	119	622	155
C. C. Sanders	193	155	113	...	461	153
J. J. Beneke	132	151	124	137	544	151
C. A. Kuehn	154	124	133	169	580	145
C. Beyer	155	105	129	178	567	141
D. Finlayson	158	113	120	139	530	132
J. Young	138	108	145	...	391	130
F. Fillmore	126	139	112	131	508	127
F. C. Weber	108	126	118	138	490	124

J. J. B.

SAN FRANCISCO, CAL.—The annual meeting of the State Floral Society, at which the election of officers occurred, was held on the 10th inst.

Cypress Greenhouse Material.

We are the pioneers in Clear Cypress Greenhouse Material. We discovered that Cypress is better than any other wood for greenhouses from top of posts up and we introduced it, and fought for it against many prejudices, and finally succeeded in bringing it into general use.

Others have attempted to follow where we lead, others are trying to reap what we sowed, but we have the experience and are recognized as experts in greenhouse construction.

Write for Circulars
or Estimates.

Lockland Lumber Co.

LOCKLAND, OHIO.

THE NEW FANCY CARNATION



One-Half Natural Size.

...Sandusky

I have been selling the flowers of this fine new Variegated Carnation, and have found it one of the best selling Carnations I ever had; in fact, it sells itself. My customers say **it's a dandy**, and something they have been looking for. Among the Chicago retailers to whom I have sold blooms of Sandusky are H. F. Halle, Klunder Floral Co., F. C. Mendonza, Central Floral Co., Jno. Mangel, A. McAdams. They all say it is a fine seller, and come back for more. Mr. Hall has asked me to act as his Chicago agent for the sale of rooted cuttings of this novelty, which I gladly do as I can heartily recommend the variety to any one desiring a good, fancy carnation. **It's a peach.**

ROOTED CUTTINGS

\$2.00 per doz., \$10.00 per 100, \$75.00 per 1000.

W. E. LYNCH, 19-21 Randolph St. Chicago.

Mention The Review when you write.

H. W. BUCKBEE Seed Specialist,

Rockford Seed Farms.
Forest City Greenhouses.

Lock Box 911. ROCKFORD, ILL.

Special Prices Upon Application.

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Live Sphagnum Moss

For Orchids, etc., \$1.25 per bbl.

Sphagnum Moss

First quality, \$1.00 per bale; 10 bales, \$8.00.

Z. K. JEWETT & CO., SPARTA, WIS.

Mention The Review when you write.

Brilliant Green and Bronze

Galax Leaves

CHAS. H. RICKSECKER, Linville, Mitchell Co. N. C.

Mention The Review when you write.

DENNISON BROS. SAY:

South Side Floral Co. Gentlemen:—We received the **Verbena** cuttings and must say that they are the finest we have ever seen offered to the trade. We would certainly have favored you with all our orders this year had we known of the superior stock you were offering. Enclosed please find order for Double Fringed Petunias. Thanking you very much, we are, Yours truly,

DENNISON BROS., Bala, Pa.

VERBENAS—New Mammoth. Strong rooted cuttings, 60c per 100, \$5.00 per 1000; 5000, \$22.50.

PETUNIAS—Dreer's latest Double Fringed. Strong rooted cuttings, \$1 per hundred.

SMILAX—Strong bushy seedlings, ready for thumb pots, 50c per hundred, \$4.00 per thousand.

Express prepaid. Cash with order. Send for descriptive circular of Verbenas.

SOUTH SIDE FLORAL CO., - - - Springfield, Ill.

Mention The Review when you write.

Spotted Calla Bulbs. Large Blooming Bulbs, \$2.50 per 100, by express; 50c per doz. by mail, free.

SEEDS, 25 cents per 100.

S. J. Galloway, - Eaton, Ohio.

Mention The Review when you write.

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BERLIN, ONT.

"Now is the winter of our discontent." The thermometer has gone down below zero to stay for the rest of the winter, the newspapers have stereotyped the line, "Fair and very cold today and tomorrow," the coal pile that was going to last till spring will have been reduced to microscopic dimensions next week, the profits made at Christmas time have gone up in smoke, customers don't put their nose outside the door, the florist looks glum and sleepy eyed, his wad has nearly reached the vanishing point, the coal man has a smile on him like a Cheshire cat, etc., etc. They do say, however, that we shall have some mild weather in July; that is a consolation and something to look forward to with thankfulness.

Trade in this town is very slow and jerky; an occasional party or funeral is all there is to enliven the general dullness. Some one, however, must be doing a good trade, as I notice that the wholesale men have put up the price of roses a couple of dollars, owing to the demand. Harry Dale says that the demand for white flowers since New Year's has been enormous, and it has taxed his big place to its utmost to supply it. Down at his place the other day I was initiated to the mysteries of the King automatic stoker, which he has attached to all his boilers. The boiler room is a sight worth seeing at night, everything appearing to work like a charm. Mr. Dale's place is now so well known that I need not dilate at length on its extent; suffice it to say that everything was flourishing and in first class order.

F. F. BENTHEY, MANAGER.

BENTHEY & CO.,
Wholesale and Commission
FLORISTS,
41 Randolph Street, CHICAGO.

Consignments solicited.

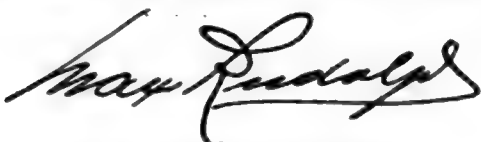
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Cincinnati
Cut Flower Co.

W. A. MANN.
FRANK W. BALL.

416 Walnut St.
CINCINNATI, O. Wholesale Florists

Consignments Solicited.
Special Attention Given to Shipping Orders.
Mention The Review when you write.



WHOLESALE FLORIST,
11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.
Mention The Review when you write.

Always Mention the...

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REINBERG BROS.

Wholesale
Growers of

Cut Flowers

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.**51 Wabash Ave., CHICAGO**

Mention The Review when you write.

Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of
and Dealers in **CUT FLOWERS**

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.

Linch
WHOLESALE FLORIST
TO-21
E. RANDOLPH ST.
CHICAGO

Our prices are as low as any
and our stock superior.
We ask for a trial order.

Mention The Review when you write.

A. L. RANDALL
Telephone 1496
Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better
prepared than ever to handle your orders.
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WHOLESALE
GROWER OF ROSES. DEALER IN
CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.
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HOLTON & HUNKEL CO.

Wholesale Florists
And Florists' Supplies.
Phone 874. WIRE DESIGNS—OUR OWN MAKE

457 Milwaukee St.

P. O. Box, 103. Milwaukee, Wis.

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800,000
FEET
OF
GLASS.

Wholesale Price List.

AMERICAN BEAUTY

Extra long stem... per doz.	\$5.00
24-inch stem.....	8.50
20 " " " " " "	2.50
15 " " " " " "	2.00
12 " " " " " "	1.25
8 " " " " " "	1.00
METEOR per 100,	5.00 to \$7.00
BRIDESMAID	5.00 to 7.00
BRIDE	6.00 to 8.00
PERLE	4.00 to 6.00
CARNATIONS	1.50 to 2.00
" " " " " " fancy	3.00
Roman Hyacinths	2.00 to 3.00
Valley	3.00 to 4.00
Daffodils	2.00 to 3.00

Quotations subject to change without notice.
All other stock at lowest market prices.
No charge for packing.

C. A. KUEHN WHOLESALE FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral
Designs. A full line of supplies always on
hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.
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H. G. BERNING,
(Successor to
St. Louis Cut Flower Co.)

**WHOLESALE
FLORIST,**

1322 Pine Street,
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Mention The Review when you write.

ELLISON & TESSON,

WHOLESALE SHIPPING

FLORISTS

3134 Olive Street, ST. LOUIS, MO.
...Home Grown Stock...
Mention The Review when you write.

C. W. WORS,

2740 Olive Street, - - ST. LOUIS, MO.

Flowers at Wholesale

ROSES, and a full line.

Headquarters for the Southwest.
Mention The Review when you write.

Maplewood Cut Flower and Plant Co. GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We
have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.
Mention The Review when you write.

Always Mention the...

Florists' Review

When Writing Advertisers.

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Cut Flowers
and
Florists'
Supplies...

KENNICOTT BROS. CO.

Choice
Flowers
At lowest
Market
Price.

88 Wabash Avenue, 22 and 23.

Rooms.
Long Distance Telephone
Express 488.

CHICAGO, ILL.

We stake our reputation on

EVANSTON
CARNATION



Novelty
Tulips,

Price 4 Cts.

REMOVABLE

EVANSTON
CARNATION...

IS A BREAD-WINNING
SCARLET.....

ROOTED CUTTINGS...

\$ 7.00 per hundred,
60.00 per thousand.

500 at the thousand rate.
Orders booked now.

Sold By ALL COMMISSION MEN.
Novelty

PRICE LIST

ROSES.

Am. Beauties, long, per doz. \$4.00 to \$ 5.00
" medium, per doz. 2.00 to 3.00
" short 1.00 to 1.50
Per 100
Meteors, Maids, Brides and Kaiserin 5.00 to 8.00
Perles 4.00 to 5.00
Roses, seconds 4.00

CARNATIONS Are Our Specialty.

Fancy varieties, Per 100
Ordinary varieties, select \$3.00 to \$5.00
Ordinary varieties, good average 1.25 to 2.00

DECORATIVE.

Asparagus, Per string \$.50 to \$.75
Ferns, Per 100, 20 cents per 100, 0. \$2.00
Maiden Hair per 100, \$1.00
Galax, Bronze and Green per 100, 20 cents;
per 1000, \$1.25
Smilax, Common, very fine strings,
per doz., \$2.00 to \$3.00

MISCELLANEOUS.

Alyssum Per 100
Freesia \$.30 to \$.40
Marguerites 2.00 to 3.00
Mignonette75
Forget-me-not 1.50 to 2.00
Callas 1.50
Harrisii 10.00 to 12.50
Romans 10.00 to 12.50
Narcissus \$2.00 to \$3.00
Tulips 3.00
Valley 2.00 to 4.00
Violets 3.00 to 5.00
Daffs50 to 1.00
2.00 to 3.00

ALL OTHER FLOWERS IN SEASON AT LOWEST
MARKET RATES.

Above quotations subject to change without notice.

P. and D. at Cost.

Extra Select and Inferior Qualities charged for ac-
cording to value.

Store open from 8 A. M. until 6:30
P. M.

Sundays and
Holidays
Closed at
Noon.

Tulips

Monday, February
27th, to our large and
elegant new quarters ❀ ❀ ❀

42 and 44 E. Randolph Street

SAMUEL S. PENNOCK, Wholesale Florist

OPEN DAY AND NIGHT—From 12 A. M. Mondays to 10 P. M., Saturdays.

A constant supply of SELECT VALLEY the year round.
AMERICAN BEAUTIES OUR SPECIALTY.

1612-14-16-18 Ludlow St., Philadelphia, Pa.

Mention The Review when you write.

WESTERN PENNA. HEADQUARTERS FOR EXTRA FANCY STOCK.

PITTSBURG CUT FLOWER CO., Ltd.

705 Penn Avenue, PITTSBURG, PA.

Long Distance
Phone 2157.

Wholesale Florists.

Write for Price List.

Consignments
Solicited.

Mention The Review when you write.

UTICA, N. Y.

In a trip to J. C. Spencer's houses, everything was found as clean and thrifty as hard work and diligence could make it. He is very enthusiastic on Asparagus Sprengeri as a green for making up. He has several large plants and more of it coming on.

Charles T. Seltzer's place is looking well. He has a bench of about 100 feet of young geraniums in 2-inch pots in bloom that are a picture to look at. His violets are always good, and, take it all in all, he has the air of a man that is satisfied with himself and everyone else, especially when he has a good cigar.

At the time we called on J. C. Bigelow & Son they were very busy with funeral work. Upon inquiry as to how trade was, Mrs. Bigelow replied, "This is the tenth piece this week in four days." Their rose houses are fine. Last season they changed from benches to solid beds 6 inches deep. The senior member of this firm says no more benches for him. This firm makes a specialty of setting full grown shade trees 8 to 16 inches in diameter.

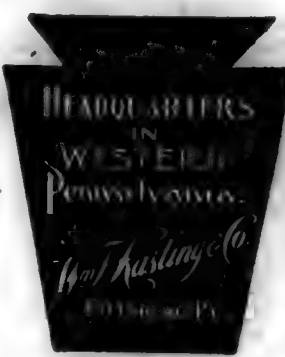
The firm of Phiefer & Kaufer has been dissolved. Mr. Kaufer retiring from the firm, but will work there until after Easter, Mr. Phiefer continuing the business. Their houses are new and stock looks good. C. J.

JADOO.

We have received from the American Jadoo Co., Philadelphia, a letter from Edward B. Jackson, Stamford, Conn., in which he reports the following benefits from the use of pure Jadoo Fibre: "Less watering, phenomenal root growth, stronger growth, freedom from weeds and lightness. The latter we consider a very important item, as it means a considerable saving in expressage to our customers. We expect to use this entirely for pot grown herbaceous plants this spring, of which we grow 50,000." The above communication certainly speaks for itself.

ROSES,
Carnations
VALLEY
FERNS,
GALAX, and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

Consignments
of good stock
solicited.



We get
daily new
customers
because
we have
the
reputation
that
all orders
are
punctually
filled.

Long
Distance
Telephone
2985.

WM. F. KASTING & CO., F. STOKES,
Manager.

Wholesale Florists. 444 Sixth Ave.
All kinds of FLORISTS' SUPPLIES and
WIRE DESIGNS on hand.
Mention The Review when you write.

KELSEY'S SOUTHERN

Galax Leaves

Brilliant Green and Bronze.

Information of the Introducer,

HARLAN P. KELSEY,

Prop. Highlands Nursery in North Carolina. 1106 Tremont Bldg., BOSTON, MASS.

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Cut Flower Exchange,

404 - 412 East 34th St., New York,

NEAR THE FERRY.

Open Every Morning at 6 o'clock for the sale of CUT FLOWERS.

Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

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HOUSE PLANTS IN THE HOUSE.

The PLANT trade from the point of "business," and also the care of Plants, treated in an attractive six-page Folder to be given to customers.

Sample order of 25 copies mailed for 60c in stamps

Dan'l B. Long, Publisher, Buffalo, N. Y.

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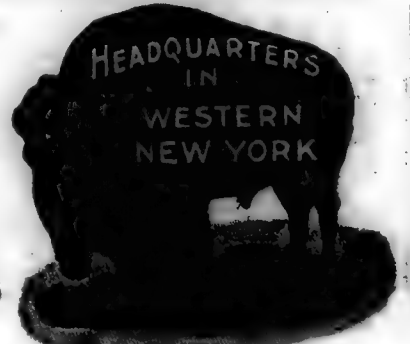
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Florists' Review

When Writing Advertisers.

GIVE US
A
TRIAL.
WE CAN
PLEASE
YOU.

Roses,
Carnations
and all
kinds of
Seasonable
Flowers
in stock.



WM. F. KASTING, Wholesale Com-
mission Florist.
495 Washington St., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire
Designs.

Mention The Review when you write.

WM. J. BAKER,

WHOLESALE
CUT FLOWERS,

1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

Mention The Review when you write.

EDWARD REID,

LONG
DISTANCE
PHONE. Wholesale
Florist,

1526 Ranstead St., PHILADELPHIA, PA.

Mention The Review when you write.

Latania 5-in. pots.....\$5.00 a dozen
Borbonica 6 " 7.50 " Clean, thrifty stock
for immediate use.

JOHN WELSH YOUNG,

Upsal Station, Penna. R. R. GERMANTOWN, PA.

Mention The Review when you write.

Rose Hill Nurseries.

Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

Largest stock in America.

SIEBRECHT & SON,

New Rochelle, N. Y.

Mention The Review when you write.

GOLD FISH and AQUARIUM SUPPLIES.

KEENAN'S
SEED
STORE.

6112 and 6114
Wentworth Avenue,
CHICAGO

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Telephone
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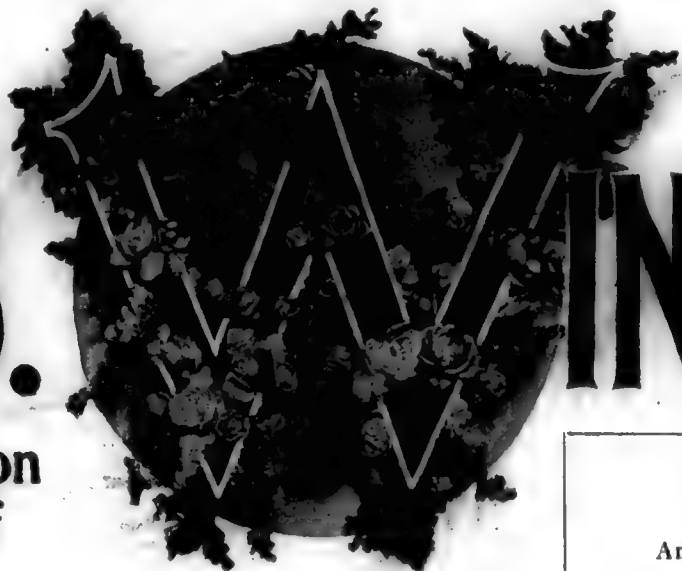
S.B.

Commission
Handler of

HIGH GRADE
CUT FLOWERS

GROWERS OF GOOD STOCK

can secure the best and quickest returns
by consigning to us.



21 Randolph
Street,
CHICAGO.

Price List. Subject to change without notice.

ROSES			
American Beauties, long.....	per doz.,	\$5.00—	
" " medium.....	"	2.00—	\$4.00
" " short.....	"	1.00—	1.50
Meteors, Maids.....	per 100,	5.00—	7.00
Brides.....	"	6.00—	8.00
Perles.....	"	4.00—	6.00
Roses, seconds, average.....	"	4.00—	

CARNATIONS			
Fancy varieties.....	per 100,	\$3.00—	
Ordinary varieties, extra quality....	"	2.00—	
" " average stock....	"	1.50—	

MISCELLANEOUS			
Freesia.....	per 100,	\$2.00—	
Callas.....	per doz.,	1.50—	
Harrisii.....	"	1.50—	
Romans.....	per 100,	2.00—	\$3.00
Narcissus.....	"	3.00—	
Daffodils.....	"	2.00—	
Tulips.....	"	2.00—	4.00
Valley.....	"	3.00—	4.00
Violets.....	"	.50—	1.00

Mention The Review when you write.

IMPERIAL VIOLET.

10,000 Rooted Cuttings left out of the 20,000.
Ready for immediate delivery.

After these are gone shall not be able to send plants till sometime in March. I believe the Imperial, without exception, is the largest, longest stemmed, deepest blue in color, and most fragrant double violet grown, and for health and vigor cannot be surpassed if it can be equalled. It has never shown the slightest trace of disease of any kind. I have heard of large yields of flowers but my plants to date, Jan. 1st, have given me an average of 35 flowers per plant, and to-day the large fat buds are as thick as straw. The price of the Imperial has averaged so far for this season \$1.47 per 100; can you beat this? If you cannot, send a small order and give them a trial. With every order of a dozen or more I will send my new book on Violet Culture that will tell you some things that you do not know; it is a plain description of the results of years of careful experiment. The book itself is worth all you pay for the plants, and is, I believe, the only work of the kind in print; it also describes the model violet house, preparation of beds, soil and fertilizers; this work I have copyrighted and it can only be obtained from me. Price of plants with Violet Culture:

Per dozen, \$1.50 Per 100, \$10.00
Per 500, 45.00 Per 1000, 90.00

W. L. MINOR, Brockton, Mass.
Violet Specialist, 588 Belmont St.

All intending purchasers are cordially invited to call at my house and see this truly magnificent violet in bloom. It will pay you.

Mention The Review when you write.

1840 Old Colony Nurseries, 1899
HARDY SHRUBS, TREES, VINES,
EVERGREENS and PERENNIALS.

A large and fine stock of well rooted plants, grown in a sandy loam. Good plants, best sizes for planting, very cheap.

Trade list free on application.

T. R. WATSON, Plymouth, Mass.

Mention The Florists' Review when writing advertisers.

DAHLIAS

By
the
Tens
of
Thou-
sands.



My prize winners carried off the highest National honors yet awarded the Dahlia—a diploma and gold medal at the Omaha Exposition. Get my catalogue before ordering elsewhere.

Box 382. W. W. WILMORE, Denver, Col.

Mention The Review when you write.

ANTON SCHULTHEIS, P. O. Box
College Point, Queens Borough, N. Y.
HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity

Come, see
and con-
vince yourself. Ericas (Heather), also Full
Line of Other Flowering Plants
Price List on Application.

Asparagus Plumosus Nanus.

	Per 100.
1000 Asparagus Plumosus Nanus, 4-in. pots,	\$15.00
1000 " " " " 5 " "	18.00
200 " " " " 7 " "	25.00
300 " " " " 8 " "	35.00

Asparagus Seed, home grown, \$1 per 100, \$9 per 1000
Write for prices on Carnation Cuttings.

W. F. Kasting, 495 Washington St. Buffalo, N. Y.

Mention The Review when you write.

50,000 Rooted Cuttings

	Per 100
Begonia Incarnata Gigantea.....	\$2.00
" Rex, mixed, Mrs. Pollock.....	2.00
" Rex, 30 named varieties.....	4.00
Coleus, 50 varieties.....	1.00
" mixed.....	\$5.00 per 1,000.....
" separate colors, 6.00.....	.75
Ageratum, Geraniums, mixed.....	1.00
Geraniums, separate kinds.....	1.50
" bronze, lemon verbenae.....	1.50
" silver leaf, rose scented.....	1.50
" Mme. Sallerii, Vinca var.....	1.25
Impatiens Sultana, assorted.....	2.00
Pelargoniums, assorted, named.....	4.00

POTTED PLANTS.

Begonia Incarnata Gigantea.....	2½-in. 4.00
" Rex, mixed.....	4.00
" Rex, 30 named varieties.....	6.00
Cinerarias, best strains.....	8.00
Asparagus Plumosa Sprengerii.....	6.00
Impatiens Sultana.....	3.00
Geraniums, Silver Leaf.....	4.00
Lemon Verbena.....	4.00
Forget-me-not, winter flowering.....	3.00
Vincas Var., 2-inch, 3-inch, extra.....	\$2.00 to 4.00

Write for prices on other stock or for large quantities. Terms Cash or C. O. D.

GREENE & UNDERHILL,
Watertown, N. Y.

Mention The Review when you write.

ORCHIDS....

CATTLEYA FLOWERS of finest quality always on hand. Orders from unknown parties must be accompanied by cash. Orders taken now for Cattleya Labiata Plants, spring delivery.

Lager & Hurrell, Growers and Importers.... Summit, N. J.
Mention The Review when you write.

E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention The Review when you write.

CHICAGO.**The Market.**

Trade is fairly good, considering the time of year. Prices have gone down a notch or two and stock is arriving in considerable supply, yet with no glut in sight up to date. White flowers still hold their own, owing to the unusual amount of funeral work. Roses are held at \$5 to \$7 for good stock, with fancy long stemmed stock at \$8. Owing to Washington's Birthday, pink and red roses, which have been a little slow for the past few days, were in considerable demand on Monday and Tuesday.

Carnations are held at \$1 to \$1.50 for good stock, whites \$2 and fancies \$3, with Bradt, etc., a few points higher.

McKellar & Winterson report a good demand for azalea plants, which sell for \$12 a dozen.

The Florist Club.

Owing to the severity of the weather the regular meeting of the club was not very well attended. Four new names were added to the membership list.

It was proposed to have a musicale the next regular meeting night, if arrangements could be completed by that time. The committee—E. Winterson, J. Reardon and Jos. Reeves—promise a very fine entertainment, several artists having already tendered their services.

At this meeting there was quite an interesting exhibition. H. Streening, 104th and Michigan avenue, showed a scarlet seedling carnation, Carter Harrison, a fine flower. Hinsdale Rose Co., Hinsdale, Ill., staged a fine vase of a sport from Tidal Wave, very similar to Evanston. Both were recommended for certificates, scoring 85 points respectively.

Mr. A. McAdams exhibited a very fine strain of cineraria, for which he was given honorable mention.

Notes.

Mr. Cornelius S. Loder, secretary of the National Florists' Board of Trade, New York, was in the city several days.

REGULAR SHIPPING ORDERS RECEIVE
SPECIAL ATTENTION.**WINTERTON BROS.****51 Wabash Avenue, Chicago.****Wholesale Price List.****WHOLESALE
GROWERS OF Cut Flowers**

We Are Headquarters for...

AMERICAN BEAUTIES,

of which we cut from 2,000 to 3,000 daily. Our Brides, Meteors, Maids and Perles were never better.

OF CARNATIONS

we grow 50,000 plants of all the leading varieties, and they cannot be surpassed.

Am. Beauty, extra long stem, per doz.	\$5.00
24-in. stem	3.50
20-in.	2.50
15-in.	2.00
12-in.	1.25
8-in.	1.00
Meteor per 100	\$8.00 to 8.00
Bridesmaid	6.00 to 8.00
Bride	6.00 to 8.00
Perle	5.00 to 6.00
Carnations fancy	1.50 to 2.00
	3.00

All other stock at lowest market prices.
No charge for packing.

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M. RICE & CO.NEW ILLUSTRATED CATALOGUE
FOR THE ASKING.Exclusive Importers and
Manufacturers of**Florists' Supplies****25 N. Fourth Street, PHILADELPHIA, PA.**

Mention The Review when you write.

EASTER, 1899, IS COMING!Don't delay any longer
to order your**LILY OF THE VALLEY**, the cream of the market, Berlin pips, large bells, \$12.00 per 1000.**CRIMSON RAMBLER**, extra fine plants, \$25.00 per 100.**TUB. ROOT. BEGONIA HYBRIDA**, in four separate colors, bulbs about 1½ inches diameter, \$2.50 per 100, \$20.00 per 1000.**GLOXINIA HYBRIDA CRASSIFOLIA ERRECTA**, \$3.50 per 100, \$30.00 per 1000.**CLEMATIS, RHODODENDRONS, SPIRAEA, PAEONIES**, etc., now on hand.Terms to unknown correspondents,
cash; otherwise, 60 days.**F. W. O. SCHMITZ, Jersey City, N. J.**

Mention The Review when you write.

100,000 VERBENAS,**THE CHOICEST
VARIETIES
IN CULTIVATION....**

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

No Rust or Mildew.
Packed Light and
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention The Review when you write.

Chrysanthemums.We are Headquarters for all '99 Novelties.
Also complete list of best commercial varieties.
Our Catalogue Now Ready.**NATHAN SMITH & SON, Adrian, Mich.**

Mention The Review when you write.

**INSURE AGAINST
IN THE FIRE****Florists' Mutual****Fire Insurance Ass'n.**ADDRESS **W. J. VESEY, Sec'y,**
FORT WAYNE, IND.**THE REGAN****... PRINTING HOUSE ...**Nursery
Seeds
Florists'**Catalogues****87-91 Plymouth Place, Chicago.****HOT SPRINGS, ARKANSAS.**

Only health resort endorsed by the U. S. Government. Wabash is the direct line from Chicago. Three trains. Send postal card for illustrated booklet giving full information. F. A. Palmer, Asst. Gen. Pass. Agt., Wabash ticket office, 97 Adams St., Chicago.

Other callers were: J. Smely, Aurora, Ill.; Mr. Fernwood, of the Iron Cliffs Greenhouses, Negaunee, Mich.; Mr. Davidson, Cairo, Ill.

Mr. Chas. Erhardt, formerly doing business in Cleveland, O., has now taken charge of the establishment of John Mangel, State and Washington streets.

Messrs. Bassett & Washburn, E. H. Hunt and A. G. Prince & Co. have leased the premises at 76 and 78 Wabash avenue for three years, where E. H. Hunt is now located. The store is 50x165 feet, with plenty of light and elevators, both front and rear, and many improvements are to be made.

Bowling.

The executive committee of the Chicago Florists' Bowling Club have engaged Mussey's Bowling Alleys, 106 E. Madison street, and all medal contests will take place at these alleys. The next contest is Friday, February 24, at 8 p. m.

Following are the scores for last week:

	1st.	2nd.	3rd.
Degnan	127	151	90
McAdams .. .	95	...	...
Then .. .	99	123	...
Cook .. .	69	78	...
Lange .. .	132	122	87
Balluff .. .	120	117	142
McKellar .. .	122	173	156
Winterson .. .	128	140	155
Reeves .. .	83	87	...
Strening .. .	53	105	...
Schweigert .. .	122	101	...
Painsky .. .	60	78	...
Jones .. .	93	63	...

MACOMB, ILL.—Mr. E. H. Smith has recently sold out his stock and greenhouses and will retire from the business.

ST. PAUL.

Trade conditions improved with the passing away of the cold wave, which paralyzed growers and dealers alike. Stock is more plentiful and of better quality and trade is improving daily, notwithstanding Lent. The growers were all prepared for the cold wave, and while stock was not benefited and the fuel bill more than doubled, no severe damage has been reported.

There is a good demand for flowering plants, palms, ferns, etc., while the call for funeral flowers is on the increase.

Violets continue very plentiful and cheap; prices on other stock well maintained. Bulbous stuff is quite plentiful and low prices prevail.

Tulips, daffodils, Paper Whites and Von Sions sell at \$2 to \$3 per 100.

Club Meeting.

The Florists' Club met at the Ryan Hotel February 11. Owing to the intense cold the attendance was not as large as usual; still, a very enjoyable session was held.

Mr. Monson, foreman for C. A. Smith, Minneapolis, exhibited a vase of two dozen roses, which would be hard to beat. Varieties shown were: Bride, Maid, President Carnot, La

[Continued page 316.]

Palms and Ferns...

WE HAVE A LARGE STOCK IN FINE CONDITION.
We guarantee safe arrival if shipped by Express.

CORRESPONDENCE SOLICITED.

Ellis & Pollworth, - Milwaukee, Wis.

Mention The Review when you write.

PALMS

All Home Grown, Strong and Healthy.

All Measurements are from Top of Pot, and don't you forget it.

ARECA LUTESCENS.

4-in. pot,	3 Plants,	Height.	Per doz.	Per 100
5 "	3 "	15 to 18 in.	\$ 3.00	\$25.00
6 "	3 "	20 to 22 in.	6.00	50.00
6 "	3 "	22 to 26 in.	9.00	75.00
6 "	3 "	28 to 30 in.	12.00	100.00
12 "	3 "	60 to 72 in., very bushy, ea.,	10.00	
A few bushy specimens, 14-in. pot, 1/2-ft. high, ea., \$25				

COCOS WEDDELIANA.

2 x 3-in. pot,	1 Plant,	Height.	per 100,	\$10.00
3 "	1 "	6 to 8-in.	"	15.00
4 "	1 "	8 to 10-in.	"	40.00
5 "	1 "	15 in.	"	6.00
5 "	3 "	15 to 18-in., ea., 50c.; doz.	6.00	
5 "	3 "	15 to 18-in., ea., 50c.; doz.	6.00	

KENTIA BELMOREANA.

5-in. pots,	4 to 5	Height.	Per doz.	Per 100
4 "	5 to 6	10 to 12-in.	\$3.00	\$ 25.00
5 "	5	15 to 18-in.	6.00	50.00
6 "	6	18 to 20-in.	12.00	100.00
6 "	6	18 to 20-in.	15.00	125.00
6 "	6	24 to 30-in.	18.00	150.00

JOS. HEACOCK,

WYNCOTE, PA.

Mention The Review when you write.

Burpee's Seeds Grow

Some Things You Want....

FUCHSIAS, from 2-inch pots, \$2.00 per 100.

RUDBECKIA, "Golden Glow," 3 1/2-inch pots, \$4.00 per 100.

ACHILLEA, "The Pearl," 3 1/2-inch pots, \$4.00 per 100.

COREOPSIS LANCEOLATA, 3 1/2-inch pots, \$4.00 per 100.

STATICE ARMERIA, from 3 1/2-inch pots, \$3.00 per 100.

JAPAN IRIS, field grown, \$4.00 per 100.

Enough extras added to more than pay expressage. **Cash, please.**

EDWARD B. JACKSON, Stamford, Conn.

Mention The Review when you write.



**PALMS
AND
FERNS**

The Largest Stock of
Plants in the West.

Geo. Wittbold, 1708 N. Halsted St. Chicago

Mention The Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

Herr's Carnations.

YOU RUN NO RISK.

All Carnation Cuttings are sent out with the privilege of returning them at my expense if they are not found satisfactory on receipt and your money returned in full.

I have from 1,000 to 5,000 stock plants of each of the leading varieties, and offer Rooted Cuttings at very reasonable prices. Correspondence solicited.

UNCLE WALTER-- This is another one of Tidal Wave's many sports and I presume it is the same and just as good as any of its other ones. I can vouch for its goodness and that it is a scarlet sport from Tidal Wave. Rooted Cuttings can be had at \$5.00 per 100 or \$40.00 per 1000, either from JOHN MURCHIE, Sharon, Pa., or ALBERT M. HERR, Lancaster, Pa.

ALBERT M. HERR,
LANCASTER, PA.

CRABB & HUNTER,

Violet Specialists. Orders received now for Spring delivery of all stock such as produces a crop—Marie Louise, Farquhar and Lady Campbell. Rooted Cuttings of Flora Hill, Evelina, Painted Lady, Firefly, Pingree, Morello and other standard varieties.

GRAND RAPIDS, MICH.

Mention The Review when you write.

Always mention the Florists' Review when writing advertisers.

France, Wootton, Siebricht, Testout and Bennett. The Siebricht and Bennett were on strong, stiff stems, 18 to 24 inches long, quite disproving the popular idea that these flowers were weak-stemmed.

Chris Hansen, with L. L. May & Co., read an admirable paper on Carnation Culture, giving his experience with the different varieties. Flora Hill and Evelina for white, Daybreak, Triumph and Victor for pink, Jubilee for red, Bradt and Pingree for fancy, were the varieties recommended for general cultivation.

The society passed resolutions of sympathy to be sent to the family of J. C. Fleischer and ordered a floral offering sent to the funeral.

Notes.

John C. Fleischer, who died February 10, was the pioneer florist in this city, having located here many years ago. His was a kindly, genial nature and he will be greatly missed by a large circle of friends and acquaintances.

Easter trade promises very good and there is an abundance of good stock to supply same.

The bowlers made the following scores February 14:

	High Score.	Ave.
Nagel	161	137
Malmquist .. .	139	123
Hartman .. .	147	121
Will O. .. .	140	122
Will G. .. .	150	118
Carlson .. .	125	111
Monson .. .	123	106

X. Y. Z.

TORONTO.

Annual Banquet.

The ninth annual banquet of the Gardeners' and Florists' Association took place at Webb's on the 8th inst. Pres. Geo. Vair presiding.

The tables were appropriately decorated with specimen orchids, azaleas, begonias, palms and small ferns, also an abundance of cut bloom, narcissus, violets, carnations and orchids. Messrs. Miller & Sons sent a lot of their seedling carnation, which will be heard from later. The arrangement was very creditable to the committee on decoration—Messrs. Dunlop, Collins and Jay. Messrs. Lawrence and E. Grainger looked after the entertaining portion of the program and deserve great praise for the way in which they carried out the program. Mr. Lawrence is a host in himself.

Signor Napolitano's orchestra discoursed sweet dulcet strains while the multitude fed. The bill of fare included everything good, from "braised sweetbreads aux champignon" to plain plum duff. I think the latter item was mostly in demand. I am convinced that a plainer repast at a more modest figure per head, would have a tendency to bring out a larger crowd of

[Continued page 317]

Carnation Seeds and Carnation Seedling Plants

From Hand Fertilized, Winter Blooming Varieties.

100 Seeds for 25 cents

100 Plants for \$4.00

Sent free by mail.

25 Plants at 100 rate. Cash with order.

AMERICAN ROSE CO., WASHINGTON, D. C.

Mention The Review when you write.

CARNATIONS...

ROOTED CUTTINGS.

G. H. Crane—The leader, large brilliant scarlet. Early and continuous bloomer.

Gen. Maeso (Ward) Maroon scarlet. The best of its class. Early and free.

Gen. Gomez (Ward) Cardinal maroon. Free bloomer.

Glacier (Ward) Pure white, dwarf habit.

America (Hill) Large soft scarlet.

Melba (May and Craig) Light pink.

White Cloud. All who have tried this variety declare it to be the best white carnation ever introduced.

Gold Nugget, yellow. **New York**, cerise pink.

Mrs. Jas. Dean, light pink. **Mary Wood**, white.

Mrs. Geo. M. Bradt.

Also, the best of all the other 1898 and standard varieties. We have a FINE STOCK of

EARLY CUTTINGS READY NOW.

Send for our complete descriptive Price List.

Dwarf Yellow Lantana...

Grows only eight inches high and always covered with bloom. Fine for bedding.

F. Dorner & Sons Co.

LA FAYETTE, IND.

Mention The Review when you write.

BABY PRIMROSE.



The newest thing for Easter Blooming.

Flowers in thumb pots; grows rapidly, 6-in. pot, carry 50 to 100 sprays of rosy flowers, 12 to 18 in. long; lasts 4 weeks when cut and wholesale at \$2 per 100; grows finely in cool house; perpetual bloomer. 12 for \$1.50, \$10 per 100, express prepaid.

New Fragrant \$1000 CALLA.

Very dwarf and free bloomer, has the fragrance of violets and lilies, \$1 and \$2 per 12, \$6 and \$12 per 100, mailed.

Asparagus Sprengeri. 2-in., 24 for \$1.50, mailed; 3 1/2-in., 24 for \$2.50, mailed;

\$4 per 100, express. 3 1/2-in., 24 for \$2.50, mailed; \$7 per 100, express.

A. BLANC & CO., Philadelphia.

Mention The Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

FOUR GRAND

CARNATIONS...

AMERICA. The largest and most perfect shaped scarlet Carnation produced thus far; producing immense quantities of its soft, scarlet flowers. Of extra robust growth, free in the production of bloom. A good commercial variety. Preliminary certificate A. C. S., at Chicago.

G. H. CRANE. (Dorner.) A long-stemmed bright scarlet, free, profuse, and constant bloomer. It comes into bloom early and yields both quality and quantity; stem long and stiff from the beginning to end of season. Tested three years and proved all right as a commercial variety. Certificate A. C. Society.

MELBA MAY AND CRAIG.

A grand combination of good qualities, free bloomer, early and continuous. In point of color the finest pink Carnation yet produced, large and perfect in form, very fragrant and with a long, stiff stem.

MAUD ADAMS. (Niquet.) Deep clear cerise of a very pleasing shade under any light; most attractive color of its class; a large, bold, handsome flower, with extra strong stem, 18 to 24 inches high; with good calyx and exceedingly free flowering.

Price for above four varieties, \$10.00 per 100, \$75.00 per 1,000.

E. G. HILL & CO.

RICHMOND, IND.

Mention Florists' Review when you write.

FELTHOUSEN Wants Room.

Read this and let us hear from you.

Remember, our Geraniums are grown in flats and in soil. Our selection \$1.50 per 100, \$12.00 per 1,000. Mme. Salleron, same price and grown in soil. Rose Geraniums, \$2.00 per 100. Ageratum, blue and white, 60 cents per 100, \$5.00 per 1,000. Fuchsias, standard sorts, \$1.50 per 100, \$12.00 per 1,000. Fever Few, Little Gem, from flats and in soil, \$1.25 per 100, \$10.00 per 1,000. Salvia Splendens and Bedman, \$1.00 per 100. Heliotrope, six varieties, \$1.00 per 100, \$9.00 per 1,000. Vinca Variegata, cuttings, \$1.25 per 100, 4-in. stock, fine, \$3.00 per 100, \$30.00 per 1,000. Coleus, all the best varieties. C. Verschaffeltii and Queen, 75 cents per 100, \$8.00 per 1,000. Coleus, in variety, 60 cts. per 100, \$5.00 per 1,000. The above are Rooted Cuttings, except when noted. Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y.
Mention The Review when you write.

EVERY FLORIST OUGHT TO INSURE HIS GLASS AGAINST

HAIL

FOR PARTICULARS ADDRESS

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

Mention The Review when you write.

the fraternity and make it more of a social reunion.

Notes.

The president read a very flattering letter from the Countess of Minto, in reference to a vase of seedling carnation exhibited by Miller & Sons. The flowers were greatly admired by those present. I am given to understand that it is now flowering the third year, but will be tried another year. Messrs. Miller inform me, "Mr. John H. Dunlop is highly enamored with it, and we understand him to say, and we positively believe, Lady Minto to be the peer of any variegated carnation ever sent out." Messrs. Miller also exhibited some lovely seedling pink carnations of a very pleasing shade, which will certainly find a place in commerce next year.

This is the third week that the thermometer has been below zero; the mercury scarcely struggles above during the day; no violets seen on the streets. So far as I can ascertain from the retailers trade during January was the best for ten years. Lots of bulbous stock is coming in. Tulips are not up to mark; growers complain of unripe bulbs, thus causing short stemmed flowers good for nothing but design work.

Mr. W. Hill, the Yonge street retailer, is laid up with an attack of grip.

So far I have not heard of any great damage done by the cold snap only on the coal bins.

E. H. CARTER.

BURPEE'S CATALOGUE FOR 1899.

A copy of the above has been received and it is certainly a model retail seed and plant catalogue.

The present issue has been greatly enlarged, the added space being devoted to giving cultural directions and useful planting tables. A large number of new and improved varieties of both vegetables and flowers are offered, noticeably the first of a new race of Bush Sweet Peas, having the freedom of bloom and large flowers of the tall sorts, but growing only fifteen inches high, and does not require support. This is beautifully illustrated in a colored plate.

Several new varieties of the Dwarf Trailing Cupid Sweet Pea are also offered for the first time.

In vegetables, a fine new bean, a new tomato, a new hardy table corn, a large-fruited watermelon of superior quality, and several new garden peas, and a number of other choice novelties are offered and illustrated from actual specimens.

A copy may be had on application to W. Atlee Burpee & Co., 475 North 5th St., Philadelphia, Pa.

RAILROAD DECORATION.

The Illinois Central railroad is arranging to have the various station grounds planted and kept in attractive condition.



AZALEAS FOR EASTER.

We have a large stock of all best commercial varieties in fine shape for immediate shipment. Will pack much better now than later on when the buds are developed.

10 to 12-inch crowns, \$35 per 100; 12 to 13-inch crowns, \$45 per 100; 13 to 15-inch crowns, \$55 per 100.

Asparagus Sprengeri, 2½-inch pots, \$5; 3-inch pots, \$8 per 100. Asparagus Plumosus, 2½-inch pots, \$6 per 100.

Canna President Cleveland, the best of all the bright scarlet cannas for massing, \$10 per 100. Cannas—an immense stock of all the leading sorts. Let us know your wants and we will quote you bargain prices.

Dahlias, fine assortment of up to date varieties, strong undivided roots, \$7 per 100; \$60 per 1000.

Lilium Auratum, 7 to 9 inches, \$4 per 100; 9 to 11 inches, \$6 per 100.

Lily of the Valley, Berlin pips, \$10 per 1000. Case of 2500 for \$23.

ROSES—FIELD CROWN—STRONG TWO YEAR.

Hybrid Perpetual in leading varieties, \$10 per 100. Crimson Rambler, \$15 per 100.

For New Geraniums, Carnations, Chrysanthemums, Etc., see our Florist's Price List.

THE STORRS & HARRISON CO., - - PAINESVILLE, OHIO.

Mention The Review when you write.

Bridesmaid excelled MAID OF HONOR, formerly called MISS CLARA BARTON

by this NEW ROSE.....

Plants in 2½-inch pots NOW READY. Price — per 1/0, \$15.00; 50 at 100 rate. per 100, \$125.00; 250 at 1000 rate.

HOFFMEISTER FLORAL CO., 813 Elm St. CINCINNATI, O.

For sale also by

E. G. HILL & CO., Richmond, Ind., and F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

Mention The Review when you write.

ROOTED CUTTINGS.

Strong cool grown stock of Brides and Bridesmaid ready for immediate shipment at \$1.50 per hundred or \$12.50 per thousand.

Please mention Review when ordering.

L. L. MAY & CO.
ST. PAUL, MINN.

FINE HEALTHY STOCK CHEAP.

Sweet Alyssum—double, 2½-in. pots \$2.00
Chrysanthemums—new and standard varieties 4.00
Geraniums—double Grant, 2½-in. pots 2.00
Geraniums—Snow on the M'tn, white leaved. 2.50
Heliotrope—finest dark, 2½-in. pots 2.50
Salvia—new Clara Bedman, fine plants 2.00
Coleus—Verschaffelti and Golden Bedder.... 2.00
CASH WITH ORDER, PLEASE.

NICHOLAS AMOS, - Crestline, Ohio.
Mention The Review when you write.

C. SOLTAU & CO.

199 Grant Ave., Jersey City, N. J.
No more PANSY PLANTS for a month.
SEED as usual.

Mention The Review when you write.

Always mention the Florists' Review when writing advertisers.

"Ad. B."

The Morris Floral Co.

THE SPOT CASH
GREENHOUSES,
MORRIS, ILL.

Trade List, February, 1899

CARNATION R. C. now ready. Per 100

Argyle—A coming standard \$3.50
Evelina—A big cropper 3.00
Gold Nugget—Yellow 6.00
Empress—Dark red 3.50
Flora Hill—Big white 1.50
Mayor Pingree—Big cream 1.50
Painted Lady—Cherry pink 2.75
Psyche—White flaked scarlet 2.75
Jubilee—Scarlet 1.75
Mary Wood 3.00
Triumph—Big pink 2.00
Carnation R. C., our selection, \$10.00 per 1,000
Estimates given on 1,000 R. C., up.

PLANTS, Dec. rooted, 2½-in. pots, Per 100

Begonias—15 varieties, our selection \$2.00
" Erfordii, latest bedder 2.00
" Sandersoni, in bloom 2.00
" Hybrid Rosea 2.00
New Yellow Marguerite 2.50
Feverfew—Little Gem 2.00
Pelargonium—The Queen 2.00
Heliotrope—3 varieties 2.00
Smilax 1.00
" From flats50

MORRIS FLORAL CO., Morris, Ill.

When writing mention "Ad. B."

Always mention the Florists' Review when writing advertisers.

SOCIETY OF AMERICAN FLORISTS.

Plant Registration.

Mr. C. Eisele registers the following new carnations, all crosses between the Marguerite and Remontant sections:

Vulcan—Color, red; strong grower.
Mercury — Brilliant red; medium sized flower.

Saturn—Deep crimson; strong grower.

Rising Sun—Sulphur yellow, with a few pink stripes; petals heavily fringed.

Uranus—Maroon; sturdy grower.
Neptune—Magenta violet.

Jupiter—Daybreak color and growth.
Estella — White ground, heavily striped pink.

Vesuvius—Light red; flowers in clusters.

Venus—White, with a few pink stripes.

Minerva—Rosy pink; flowers medium size.

CINCINNATI.

With the moderating weather stock has become more plentiful, but business has not shown any material improvement. The chances are that we will have a surplus of stock before the end of the week. Quotations on roses and carnations have already taken a drop, but they are still bringing a fair price. Greens of every description are scarce and in demand at any price.

Mrs. C. C. Murphy died Sunday afternoon after a long illness. The burial was at Spring Grove cemetery on Wednesday, the 22nd.

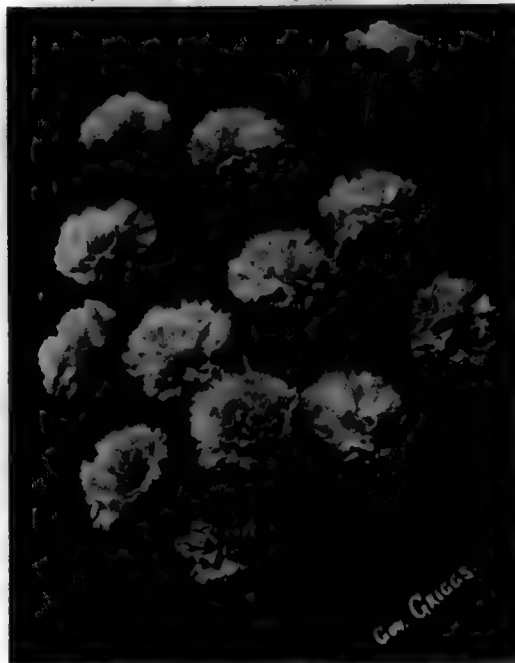
B. P. Critchell, who has been quite sick for the past week, is now able to attend to business.

Robt. A. Murphy, of Delhi, was married to Miss Alice Van Blaricum on the 16th inst. B.

CINCINNATI, O.—Julius Baer was recently the victim of a forged check. The swindler presented a check for \$15, supposedly drawn by the Wm. Glenny Glass Co., payable to F. Glenny. The fellow represented himself to be F. Glenny and ordered \$4 worth of flowers delivered at Mr. Glenny's home. It was discovered in making the delivery that the flowers had not been ordered and the check was a forgery.

CATALOGUES RECEIVED.

Wm. Murphy, Cincinnati, carnation rooted cuttings; J. A. McDowel, City of Mexico, orchids, cacti, agaves, bulbs, etc.; Lenox Sprayer Co., Pittsfield, Mass., bordeaux mixture; Nathan Smith & Son, Adrian, Mich., novelties for 1899; Cadwell & Jones, Hartford, Conn., seeds and agricultural implements; John D. Imlay, Zanesville, O., seeds, plants and bulbs; Sander & Co., St. Albans, England, new orchids, palms, carnations, foliage plants, etc.



NEW

CARNATION

GOV. GRIGGS

SEEDLING OF VAN LEEUWEN
ON DAYBREAK.

Strong, healthy grower, free from disease of all kinds, continuous free bloomer with flowers very erect on a stiff stem, 18 to 20 in., flowers similar in color to Daybreak, but much brighter, edge beautifully fringed, good shape and with full center, and does not burst, commands the highest prices in New York for novelties. Having been grown by us for the past four years we can with confidence recommend it to the florists of America as one of the best if not the best light pink Carnation ever sent out. Orders are now being booked for rooted cuttings.

Price \$75.00 per 1000, 500 at 1000 rate, \$10.00 per 100, \$2.00 per dozen.

All orders filled strictly in rotation.

Cash with order from unknown correspondents.

A personal inspection invited.

JOSEPH TOWELL, **HALEDON AVE. NURSERIES.** Paterson, N. J.

Mention Florists' Review when you write.

New Carnations for 1899...

	Per doz.	Per 100	Per 1000		Per doz.	Per 100	Per 1000		Per doz.	Per 100	Per 1000
C. H. Crane....	\$2.00	\$10.00	\$75.00	Mary A. Baker...	\$1.50	\$8.00	\$70.00	Iris Miller	\$2.00	\$10.00	\$75.00
America	2.00	10.00	75.00	Anna C. Eastburn	1.50	8.00	70.00	Elsie Furgeson...	2.00	10.00	75.00
Dorothy Sweet	2.00	10.00	75.00	Gov. Griggs	2.00	10.00	75.00	Dr. Tevis	2.00	10.00	75.00
Gen'l Gomez	2.00	10.00	75.00	Duke of York	2.00	10.00	75.00	Helen Dean	2.00	10.00	75.00
Gen'l Maceo.	2.00	10.00	75.00	Liberty	2.00	10.00	75.00	Leslie Paul	2.00	10.00	75.00
Glacier	2.00	10.00	75.00	Cardinalis	2.00	10.00	75.00	John Hinkle	2.00	10.00	75.00
Melba	2.00	10.00	75.00	Progress	2.00	10.00	75.00	Grace Runyon...	2.00	10.00	75.00
Evanston....	2.00	7.00	60.00	Emiline	2.00	10.00	75.00	Harriet Bradford	2.00	10.00	75.00

Catalogue ready February 10th.

H. WEBER & SONS, = = OAKLAND, MD.

Mention The Review when you write.

Send for Price List!

We have a fine stock of 9 varieties of 1899, 24 of 1898 and ALL the best of the older sorts of

CARNATIONS.

Rooted Cuttings ready now.

GEO. HANCOCK & SON, Grand Haven, Mich.

Mention The Review when you write.

SUCCESSFUL FRUIT GROWING.

The Superintendent of the Lenox Sprayer Company, of Pittsfield, Massachusetts, has delivered an address before the Lenox Horticultural society at Lenox, Mass. The address is almost a college education to fruit growers, fruit dealers, and in fact to anybody eating fruit or even having but few fruit trees, or in anyway concerned. Had this address been placed on the market in book form it would no doubt have sold at a good price. The full address, profusely illustrated, in pamphlet form, will be sent complimentary to any one enclosing ten cents, for postage, to the Lenox Sprayer Company, 7 West St., Pittsfield, Mass.—adv.

CARNATIONS

Healthy Rooted Cuttings Ready Now.

WHITE CLOUD. EVELINA.
GOLD NUGGET. MRS. JAS. DEAN.
PAINTED LADY. NEW YORK.
BON TON. EMPRESS. PSYCHE.

\$5 per hundred. \$40 per thousand.

FLORA HILL. VICTOR. TRIUMPH.
MAYOR PINGREE. ALBA SUPERBA.

\$3 per hundred. \$25 per thousand.

DAYBREAK. Wm. SCOTT. HECTOR.
JUBILEE. MINNIE COOK.

\$2 per hundred. \$15 per thousand.

ARMIAZINDY, \$2.50 per hundred, \$20 per thousand
The greatest scarlet of them all is HECTOR.

Pennrock Co., Box 252 Wilmington, Del.

Mention The Review when you write.

HALE'S MOLE TRAP

For destroying ground moles in lawns, parks, gardens and cemeteries. The only PERFECT mole trap in existence. Guaranteed to catch moles where all other traps fail. Sold by Seedsmen, Agricultural Implement and Hardware dealers, or sent by express on receipt of \$2.00, by

H. W. HALE, RIDGEWOOD, N. J.

Mention The Review when you write.

TROUBLE WITH DUTCH BULBS.

We have forced large quantities of Dutch bulbs for years, and have always been successful with them until this year. The trouble this season is with tulips and Dutch hyacinths, narcissus and daffs being quite equal to those of other years. (All bulbs this year have been grown under precisely the same conditions and location as previously.) Our main object of this question is to learn, if possible, if the trouble is universal, or partly so, for our Holland bulb men who visit us in springtime are gentlemen, and it would be ungainly on our part to find fault with them if it were not theirs, for we have read reports that it was a most unfavorable season last year in Holland for the proper development of bulbs.

A brief illustration of how our bulbs have acted is next in order. On receiving them, we found the hyacinths not to be so large and heavy as formerly, with no perceptible difference in tulips. We don't expect to get as fine pot hyacinths so early as those we do at Easter, on account of natural conditions, but these in question are very inferior (more than the size bulbs would warrant), with a larger percentage of diseased bulbs than formerly. La Grandesse, Czar Peter and Pineman being the varieties most affected.

The tulips, which are the worst feature of all, appear as the lame, halt, and the blind, the latter phrase being particularly the case with Vermillion Brilliant, Cottage Maid, and Keiserkroon (Keiserkroon were exceptionally fine bulbs), while La Reine has 25 per cent perfect flowers on good stems, the remainder being imperfect, with irregular length of stem. Mon. Tresor and Chrysolora are uniform and good.

To not be misunderstood, it is well to mention that the flowers from all varieties that matured were O. K. on good stems, growing here and there irregularly in the boxes, and that our last batch does not vary in this particular with the earlier ones. Our loss with tulips will amount to about 60 per cent.

X.

SAN FRANCISCO.

Lieutenant A. P. Hayne, of the California heavy artillery and late assistant professor of viticulture and horticulture at the University of California, has received an appointment to take command of an expedition to explore the Philippine Islands and report on "their agricultural and horticultural products and the climatic conditions of the islands" to the Secretary of Agriculture.

HAD TOO MANY RUFFLES.

"Do you know what Bridget said about that white chrysanthemum you brought home?"

"No; what was it?"

"She said if she was expected to wash and iron that dratted thing she would quit."—Puck.

ORDER NOW.

Tuberous Rooted Begonias and Gloxinias...

Our strain of these important Spring and Summer flowering bulbs is the finest to be found in Europe. We make personal selections of these stocks when in flower, and same must not be confounded with cheap, indifferent strains which are dear at any price.

SINGLE ROSE, Scarlet, White, Yellow and Orange, 50 cents per doz.; \$3.00 per 100; \$25.00 per 1000.

SINGLES IN CHOICEST MIXTURE, 40c per doz.; \$2.50 per 100; \$20.00 per 1000.

DOUBLE ROSE, Scarlet, White and Yellow, 75c per doz.; \$6.00 per 100; \$50.00 per 1000.

DOUBLES IN CHOICEST MIXTURE, 60c per doz.; \$5.00 per 100; \$45.00 per 1000.

GLOXINIA CRASSIFOLIA GRANDIFLORA, 50c per doz.; \$1.00 per 100; \$30.00 per 1000.

FANCY LEAVED CALADIUMS, 30 choice varieties \$2.00 per doz.; \$15.00 per 100.

HENRY A. DREER, 714 Chestnut St., ...PHILADELPHIA.

Mention The Review when you write.



The Royal Tottenham Nurseries, Ltd.,

Late of A. M. C. JONGKINDT CONINCK.

Managing Director, A. M. C. VAN DER ELST.

DEDEMSVAART, nr Zwolle, NETHERLANDS.

RARE AND NEW HARDY PERENNIALS.

Per 100	Per 100
Anemone Sylvestris, fl. pl., young plants in pots.....\$ 9.00	Nymphaea Laydekerii purpurata .....\$290.00
Arnebia Echioides 10.00	" rosea 180.00
Chrysanthemum max. filiforme 7.50	" Aurora, each, \$7.50
Convallaria maj., var. Fortin 1.25	" Robinsoniana, each, \$5.00
Crocus Aurea Imperialis 11.00	Oreocome Candolli 20.00
Helenium Autumnale Superbum 6.00	Papaver Orient Silver Queen 10.00
Hemerocallis Aurantiaca Major (cultivated) 27.50	Petasites Jap. Giganteus 20.00
Heuchera Alba 7.00	Physalis Franchetti 2.25
Heris Sempervirens Little Gem 8.00	Sagittaria Jap. fl. pl. 20.00
Incarvillea Delavayi 40.00	Spiraea Aruncus var. Kneiffi 37.50
Olga 5.00	Viola Odor, Princess of Wales 4.00

GUNNERA SCABRA, leaves 6 to 7 ft. across, strong plants, \$15 to \$20 per 100.

ALPINE RHODODENDRONS, strong plants, \$9.00 per 100.

Wholesale catalogue of Hardy Perennials, Conifers, Rare Aquatics, etc., may be had free on application. List of Narcissus in April.

Mention The Review when you write.

LIVINGSTON'S TRUE BLUE Tomato Seeds

There are just two qualities of Tomato Seeds, "Livingston's" and "Others." Almost any tomato seed will grow, but "What will the harvest be?" Our specialty is **The Best Seeds for the Market Gardener.** Send for Catalogue and Gardener's List.

THE LIVINGSTON SEED CO., Seed Growers, Columbus, Ohio.

Mention The Review when you write.

F. & F. NURSERIES, SPRINGFIELD, NEW JERSEY

Wholesale Growers TREES and PLANTS in Full Assortment.TRADE CATALOGUE FREE.

Mention The Review when you write.

Fine Perles and Wootons

In 2-in. pots, as well as Beauties, Maids, Brides, Meteors, La France and Kaiserin—now ready. Send 50 cts. or \$1.00 for samples of what you want and prices.

Carnations out of flats ready now. Can furnish Rooted Cuttings of all Roses except La France and Kaiserins. Write **GEO. A. KUHLE,**

Long Distance Phone 14. **PEKIN, ILL.**

Mention The Review when you write.

ROSES--ROOTED CUTTINGS....

Brides, Bridesmaid, Meteor and Perles at \$1.75 per 100, \$15.00 per 1,000. Clean, healthy stock. Remember, my Perles are First Prize Winners, and the others always come in for their share at the St. Louis Show.

J. F. AMMANN, Edwardsville, Ill.

Mention The Review when you write.

ITHACA, N. Y.

Furniture and flowers seem rather an odd combination, yet a business of this kind has been carried on very successfully in the university town of Ithaca for the past six years, and the firm which has carried it out is the Bool Company, first manufacturers of furniture and house furnishings, and then growers of house furnishings, viz., flowers and decorative plants. The innovation, after all, is not a startling or striking one and the connection is quite intimate.

Of course in the ordinary city of 12,000 to 15,000 inhabitants the normal market would not be large, but in Ithaca, a city of this size, the conditions are appreciably altered by the immediate presence of a great institution of learning, with its large teaching staff composed of men of culture; and its frequent official functions more or less social in character.

The Bool Company began growing flowers in a modest way six years ago and found that the cut flower corner in their salesroom added much to its attractiveness, and something to the credit side of the balance sheet. At this time there were, as there are at the present time, one or two small greenhouses in the town, but the chief supply of choice cut flowers came from Syracuse or Rochester. Under the management of Mr. A. H. Bool the business has grown and the houses have increased in number till the last addition gives him something over 20,000 feet of glass. Not very extensive, it is true, but at least representing solid progress. J. C.

DORCHESTER, MASS.

Having a short time to spend in Dorchester at the "Hub," one finds the houses of S. Neil & Son, on the hill, filled with nice, thrifty stock of various kinds, carried for a home retail trade, and a cordial welcome, even though you have come "only to look around," as is so often said. Then, going down King street, you find the former "Violet King," as they used to call him, when he was growing violets by the 500,000 per season. I refer to Lucius H. Foster, who is now known for his fine stock of the Boston fern, which is a specialty with him, shipping fifty thousand per year. Last fall he started in with six houses full and has only two left now, and is now planting another.

You find him firm in his belief in short span to the south houses and butted glass, and has about 20,000 feet of ground covered with glass.

Across the way looms up the Whitten estate, run by the genial Lawrence Cotter, who also has everything in "apple pie order," and whom you are loath to leave when once you get chatting with him. R. E. S.

Always mention the Florists' Review when writing advertisers.

ROOTED CUTTINGS ROSES AND CARNATIONS.

ROSES.

	100	1000
Meteor	\$1.50	\$12.50
Bridesmaid	1.50	12.50

	100	1000
Bride	1.50	12.50

CARNATIONS.

	100	1000
PINK.		
Triumph	\$1.50	\$12.50
Wm. Scott	1.00	7.50
Painted Lady	4.00	35.00
Daybreak	1.50	12.50
Argyle	4.00	35.00
Mrs. Frances Joost	5.00	50.00
McBurney	1.50	12.50

	4.00	35.00
RED.		
Dazzle	2.00	17.50
Jubilee	4.00	35.00
Bon Ton		

	4.00	35.00
MAROON.		
Empress		

	100	1000
WHITE.		
Flora Hill	1.50	12.50
Mary Wood	5.00	40.00

The largest and best White Carnation that is grown. Has a strong stiff stem and a constant bloomer. Sell in the market today for nearly double any other White Carnation we handle.

Evelina	4.00	35.00
---------------	------	-------

VARIEGATED—White and Red.

Psyche	4.00	35.00
Armazindy	2.00	17.50

YELLOW.

Mayor Pingree	2.00	17.50
Gold Nugget	6.00	50.00

BASSETT & WASHBURN, Store, 88 Wabash Ave., CHICAGO, ILL.

Long Distance Phone Main 223

Greenhouses and Residence, HINSDALE, ILL.

Long Distance Phone No. 10

Mention The Review when you write.

Flora Hill

WM. MURPHY, Station F, CINCINNATI, OHIO.

Mention The Review when you write.

Has come to stay. A sterling commercial White Carnation. Everyone can grow it. Best returns are on this sort. Clean stock, well rooted and full count on your orders. \$2.00 per 100, \$15.00 per 1000. **150,000 R. C.** of other varieties to select from. Send for my price list and state your wants for an estimate.

ROOTED CUTTINGS
of New and Standard
CARNATIONS....

Send for Price List.

P.O. Box 226 **WM. SWAYNE,** Kennett Square, Pa.

Mention The Review when you write.

CARNATIONS. ROOTED CUTTINGS.

Fine Stock, Grown Cool and Rooted Slow.

Daybreak, Freedom, Dana and Jahn's Scarlet, per 100, \$7.50; per 1,000, \$12.00.
Vince Var., fine strong, 4-in. pots, \$7.00 per 100.

W. G. KRABER,

35 Tremont St., NEW BEDFORD, MASS.

Mention The Review when you write.

CARNATIONS

Rooted Cuttings of Novelties and Standard varieties. Send for price list.

Also Lady Campbell, Swanley White and California Violets and Giant Double Alyssum.

W. B. SHELMIER, - AVONDALE, PA.

Lock Box 10. Telephone connection.

Mention The Review when you write.

CARNATION CUTTINGS.

Jubilee and Triumph, the best red and pink, rooted, strong and clean, \$1.40 per 100 not rooted, strong and clean75
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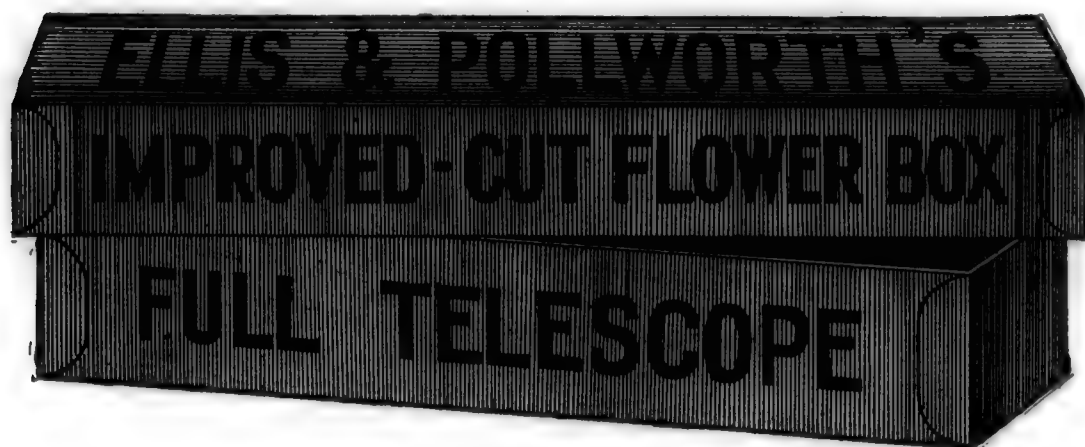
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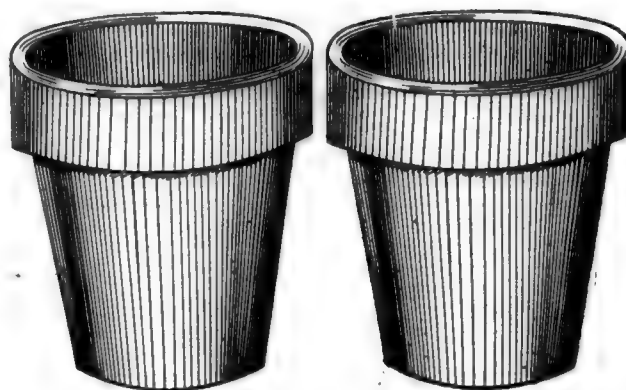
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INDIANAPOLIS.

Trade Review.

Trade has been fairly good of late, funeral work and decorations taking the lead, while plants and cut flowers went a little slow. The general stock of flowers here is of good quality, as everyone seems to be growing a better class than formerly. Carnations are exceptionally fine and bring good prices, especially the red and fancies. Roses are also of good quality, demand being mostly for Beauties, Meteor and Maids. Bulbous stock is now coming in, but not selling very brisk, with the exception of Harrisii, callas, daffodils and fancy tulips, which always seem in demand. Violets are good, supply being greater than demand.

Plants do not seem to be in it at present, there being some fine azaleas, cinerarias, begonias and pans of tulips to be seen.

Club Meeting.

The State Florists' Association of Indiana held its first regular monthly meeting since it consolidated with the Indianapolis Florist Club, on Tuesday evening, February 7. The committee on constitution and by-laws reported changes in same. The legislative committee interviewed the ways and means committee of the legislature, asking an appropriation of \$500 from

the state. No definite action has yet been taken.

A communication was read from Mr. William Bertermann, now at Pacific Grove, Cal., to the effect that he is convalescing and expects to be with us again about April 1.

There was a discussion in regard to the printed reports of the exhibition January 9. In justice to myself, will state that only those exhibitors receiving awards, and Mr. Dorner's new variety G. H. Crane, were mentioned, owing to limited space. Probably reference was made to the local papers, as they did not give a correct report.

As this meeting was set forth as a carnation meeting a fine display was made. Herman Junge and Fred Hukriede were appointed judges and made following awards: Best pink, Indianapolis Plant & Flower Co., with sport from Daybreak; form same as Daybreak, but deep pink in color; Bertermann Floral Co., with Jubilee; white, H. Rieman, with a seedling of good quality and stem; John Hartje was a close competitor in this class with White Cloud; fancy, H. Rieman with Bradt; Bertermann Floral Co. a close competitor with same. Honorable mention: John Hartje, for Farquhar violets. Mr. Rieman had a vase of fine roses and a collection of plants that were excellent, among them well grown plants of Bougainvillea Sanderiana, cyclamens, Primula obconica and Isabella floribunda, and a large azalea.

Bertermann Floral Co. showed a large cyclamen, a white variety, with some of the petals a delicate pink.

Notes.

The weather was exceedingly cold here, going as low as 18 degrees below zero, with zero weather for nearly a week, causing many hardships. Following is a list of those having reported stock frozen: A. Wiegand & Son, Bertermann Floral Co., Mrs. Chas. Rieman, Mrs. J. Larsen, J. J. Vondersaar, H. Rieman, J. Heidenreich, and others, the two first named firms being the heaviest losers.

E. A. Nelson has a seedling pink carnation that the boys are all talking about. It is in its second year, shows up well, and will undoubtedly be heard from later.

John Heidenreich is the proud possessor of a sport of his own raising in the shape of a bouncing boy. If it is as good as John predicts, it will score a good many points.

Boys, do your best on roses and violets, as the next meeting will be devoted to same. FRED.

CINCINNATI, O.—It is reported that Mr. Paul Dailledouze, Flatbush, N. Y., Ernest Asmus, W. Hoboken, N. J., and Robt. Craig of Philadelphia, recently paid a visit to the establishment of the Hoffmeister Floral Co. in order to see the much talked of Maid of Honor rose.

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BRUNNER, TEX.—Mr. W. W. Westgate, during the recent freeze-up, lost his entire stock of bedding and decorative plants, early vegetables and vegetable plants. This is a very serious loss and any offers of stock would be very much appreciated by Mr. Westgate.

WE WOULD LIKE very much to have a complete and accurate list of the names and addresses of the florists of America and to this end will ask each subscriber to kindly send us an accurate list of those in the trade in his or her city or town. By complying with this request you will confer a great favor on the publishers.

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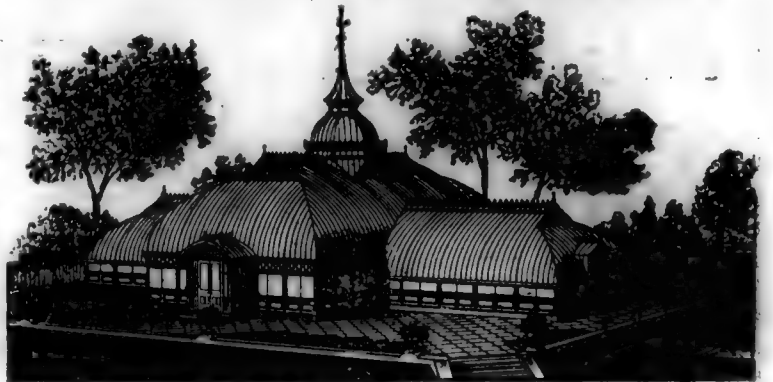
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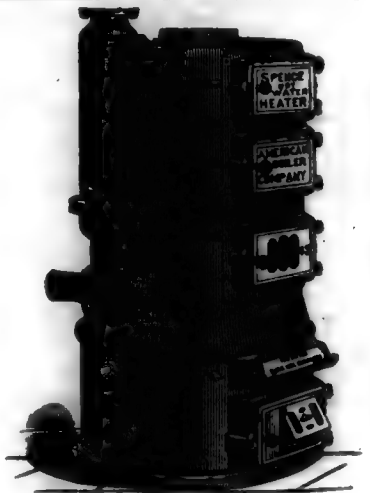
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Vol. III.

CHICAGO AND NEW YORK, MARCH 2, 1899.

No. 66.

SOCIETY OF AMERICAN FLORISTS.

The executive committee of the S. A. F. will meet at Detroit, Mich., on Tuesday, March 7th. Members of the society are invited to favor the committee with their views as to the work of the organization as now carried on and as to future policy, and all such suggestions will be thankfully received and given careful consideration.

The committee is composed of men selected by the presiding officers of the society from the ranks of the most experienced and able members. Most

of them are men with large interests and heavy responsibilities and their service at this season is given at a sacrifice of personal comfort as well as valuable time. The members of the society, in whatever section of the country they may be located, can assist and encourage their executive officers greatly by friendly interest and advice at this time.

All communications should be addressed to the office of the secretary, 67 Bromfield street, Boston, not later than March 1st.

WM. J. STEWART, Secy.

ROSE NOTES.

Grafting.

The subject of grafting has been handled by many able men in the trade papers during the past few years, and leaves comparatively little to add to what has already been advocated along these lines. With but few exceptions, the opinion among the most successful growers seems to be unanimous that grafted plants average a much larger per cent of first-class blooms during the time when they bring the highest prices. In spite of all these claims, I advise no grower to plant grafted stock exclusively, unless he has had previous experience with it. It must not be taken for granted that the mere fact that the roses are grafted will make up for the deficiency of the grower. On the contrary, to the average grower I would say: Stick to your roses on their own roots, and invest in grafted stock in a moderate way. If with your treatment you see an improvement over the stock on its own roots, it will still be time enough to prepare on a larger scale for the following season. In other words, unless you have been reasonably successful with roses on their own roots, it would be advisable to continue growing them in that way until you have more thoroughly mastered the art of rose growing. Grafted plants are now offered at very reasonable prices, so that it hardly pays to undertake to graft them in small quantities. It would be cheaper to buy a few hundred plants with which to experiment.

For the benefit of those who wish to do their own grafting, the following suggestions may prove helpful: If suggestions contained in previous rose notes have been followed, we will now have our Manetti stock in good condition on which to operate. The kind of wood to select for scions



Carnation Hanna Hobart.

As shown at the Philadelphia Exhibition after its long journey from the Pacific Coast. The flowers were packed as shown, tin tray and water tubes being fastened in a wooden case.

should be about the same mature growth as we find on a well developed bud. Care should be taken to select the wood so as to make it correspond in thickness to the stock, thus insuring a good fit.

The most approved method is what is called "splice grafting," and may be described as follows: With your pruning shears cut down the stocks to about three inches above the pot, then with a sharp knife make a long diagonal cut upward, beginning about an inch above the pot and continuing the full length of the stock, cut the scion to correspond with it so as to make a good fit. For tying we use raffia; if not on hand, any common string will do. The operation should be done carefully, but with practice may be done rapidly. A good man will cut and tie two hundred in an hour for ten hours and do it well. I should have said, making the diagonal cut of the scion, it should be made so as to let the lower eye strike about the center of the opposite side of the cut. The scion may have two or three eyes, with a full leaf left on each eye. If the leaves are large they may be trimmed the same as you would trim a rose cutting, otherwise we only cut out the end leaflet. A gum sprinkler should be constantly on hand and frequently used to dampen the foliage. Keep the "operated ones" covered with an old newspaper, and when you have a tray full, remove them to grafting case which has previously been prepared for them. On the bottom of the case we use an inch of wet sphagnum, over this we spread about 1½ inches of clean sand, water thoroughly and plunge the pots in it.

The pots may be placed close together in rows, the rows being one inch apart and a space of one inch left between the outside row and the side of the case, thus reducing the danger of fungus to a minimum. From this time on a bottom heat of 80 to 85 degrees should be steadily maintained, and the glass shaded from the strong light for the first three days, after this gradually give more light until after the first week, when they will need little protection except on bright sunny days, or perhaps a few hours during the middle of a cloudy day. This matter of shading should receive the most careful attention, as success or failure may depend on an hour's neglect during the first days of incubation.

In regard to the time to begin admitting and changing the air in the case, opinions differ. We find it best to change the air every morning and evening from the start. This is done by raising the sash about one inch for five minutes each time. Pure air is essential to success, and the only point to observe is that the temperature does not vary more than two or three degrees while air is admitted. I emphasize this point in particular, as

many failures can be traced to this practice of shutting up the case for the first three or four days without a change of air.

Moisture should be supplied by sprinkling the foliage only, with the gum sprinkler, which as a rule may be necessary two or three times a day for the first week. The soil should be kept only moderately moist; here and there a pot may become a little dry,

which should be looked after, otherwise there will be little need of a general watering until after the first week.

With such a high temperature it is a matter of only a few days until callos begins to form and the union takes place. With careful attention to all details we are sure of getting 95 to 98 per cent to unite successfully.

S. A. B.

MISCELLANEOUS SEASONABLE HINTS.

Peperomia and Strobilanthes.

A subscriber asks, "Will the Review please tell me how to manage the peperomia and strobilanthes?" The first named is a very ornamental compact-growing little plant. It is very easy of culture, withstanding rough usage, but to thrive well it should have a night temperature of 60 degrees. It is readily propagated by putting a leaf with an inch of the stem in the sand, and if there is a bottom heat of 70 degrees, you will soon see the young growths starting. Any time during the months that you are firing will do to propagate. It likes a syringing and plenty of water, but will endure the absence of both much better than most plants. The strobilanthes is not worth many words. As a bedding plant in our northern states it is a failure. Coleus of a score of varieties is much more effective, and easier to grow. As a decorative plant for the hothouse it is only attractive when kept growing in a very high temperature. The young, fresh leaves are rather striking, but the more matured leaves have a dingy, faded look. If you wish to grow it, treat it as you would a coleus, only give still more heat. The young growths root easily in sand. Like the coleus, it seems to have all the qualities which make it a fine host plant for mealy bug.

Geraniums.

The same subscriber says: "I have been troubled this winter with my young geraniums rotting off below the surface of the soil. They have good roots when potted. They grow for a time and then rot off, the top remaining fresh, until the stalk and root are entirely decayed. Have given them the same treatment as heretofore and previous to this winter never had any trouble." I must confess I am at a loss what to say. Never have I seen gera-

niums die off if they were once rooted. The loss of an occasional one here and there we expect, and it is generally accounted for by a drip keeping the roots saturated. The trouble in this case must be in the soil; perhaps too great a use of bone meal. Would like to hear very much if others have had the experience of our correspondent and how they account for it.

The geranium is now the most important bedding plant we grow. It outnumbers almost all others combined. Towards the end of May our geraniums (I am alluding, of course, to the zonales) are in good condition to sell either for bedding or for vases, or for the humble patron who wants only a dozen mixed plants for his small garden, and "let half of them be geraniums, please." They are now in 3-inch pots and there will be no chance to give them their final shift into a 4-inch till after Easter. They will then have a good six weeks to grow in their last shift and will not be exhausted or yellow leaved when wanted. We are just standing them over, and wherever we can take a cutting off without spoiling the plant we do so, but never spoil the plant for the sake of the cutting. Those not long enough to give a cutting we just pinch the lead out. This is much better for the retailer or the man who sells his plants in bloom than going over the benches every week or two and cutting those only that afford a cutting; because it will bring all your plants into bloom at the same time, and that's just what you want.

People are not satisfied with your kind advice about this being a bushy, nice plant, "and will soon be in flower, madam." They want them in flower, and it's easy to have them. We never put these spring cuttings in the sand; we pot them in 2-inch pots and pot firmly. They will stand the broad

sun in any cool, light house. Give them a thorough watering when first potted, and then for the next three weeks water only when they are decidedly on the dry side. These geraniums will never catch up to those struck in the fall, but if, when well rooted, they are shifted into a 3-inch or, better still, a 3½-inch pot, using good, rich soil, and firing at night continued until at least the middle of May, you will find them a first-class article, after your largest plants are gone, and you can afford to sell them at a less figure, for they have cost much less.

Poinsettias.

Once more comes the request: "Will you be good enough to tell us in the next Review the best way of striking

seven weeks the old plants will give you lots of young growth, which cut off and put in the sand in the usual way. You will not only get that first crop, but can take off cuttings till August. This is a much better plan than propagating the old canes; better in every way. While the green cuttings are in the sand look out for the bright and hot days of May. They want plenty of water, and the first two weeks after potting the cuttings from the sand be careful to attend to shade and water. After once established in the small pots, no shade at any time of the summer should be allowed.

Meteor Rose.

Mrs. E. asks, "Why is it the Meteor so often has such short stems? The plants have been doing fairly well and

Easter Stock.

Nothing will now occupy time and close attention so much as our Easter crops. There is one mistake made frequently, and that is to remove a plant when well advanced in bud from a warm house into a cool one. I mean by that say from a night temperature of 60 degrees to one of 45 degrees. This is done sometimes because you think your lilies or lilac or azaleas will be a few days too early; it is most unnatural and a great check to a plant; if you will just think about it, most all the plants we force when out of doors are in their natural surroundings. The heat of days is gradually on the increase till flowering time; when once the flowers are open, then anything above freezing will do.



A Glimpse of the Exhibition at the Philadelphia Convention of the American Carnation Society.

poinsettias from the old canes? Is it best to let them dry off some or put them in as soon as cut down?" So much and so often has the poinsettia been written of that it staggers me to receive the above. The plants left over from the holidays should be resting perfectly dry beneath a bench or in some warm shed. The first of April is plenty of time to start them. Any part of last fall's growth will root except perhaps the last top joint or two, which sometimes do not ripen. Put the cuttings in the sand in a warm house. The cutting should have at least two joints, one in the sand and one above. They root readily, but propagation from the old canes is not the way to do it, and that has been said many times in these columns. About April 1st shake out the old plants and repot. Shorten back the cane if it is not well ripened and start the plants growing in a warm house with plenty of syringing. In six or

have good foliage, but throw out such short stems. Can you tell me how I can have longer stemmed Meteors?" If the foliage is good, then the roots are all right. Meteor when well grown makes fine, long stems. Perhaps Mrs. E. is not aware that Meteor requires almost 10 degrees higher temperature to grow it well than Bridesmaid or any of that type. While 55 to 58 night temperature is considered right for most tea roses, and the great army of rose growers endeavor to keep their houses at that temperature, Meteor is kept at 65 to 68 degrees, and a corresponding high day temperature. We expect there is nothing else the trouble except too low a temperature, and during that ten days of below zero weather you were doing pretty well to keep up an ordinary rose house heat, much less the extra ten degrees required by Meteor, which it must have in the dark days of winter, if you are going to do it well.

A lily will last two weeks after opening, and so will an azalea, if cool and shaded.

Several inquiries of late have been, "How many days shall I give my tulips or hyacinths in the house to be in just right for Easter?" There is no set time to guide us, and you must use your wits and consider the date on which Easter falls, for that makes all the difference. Some twelve or fourteen years ago Easter Sunday was on the 25th of April. The month had been bright and warm, and with less experience than now we got in our bulbs disastrously early, and we had to make use of cellars and all sorts of contrivances to keep them in shape till the 25th. Last year March was a most beautiful month, the finest in my recollection of thirty-one years. Spring virtually started in about March 1st and kept it up till a cold spell again in April. Are we to have the same balmy March? Present outlooks say

no; but we would like to know for certain. Then again, the bulbs we are speaking of have so far made but little top growth, while three or four weeks later nature will have quickened them with the impulse to shoot up and display their attractions to the instinct world and incidentally to our customers. Finally, it will be entirely proper to be this year on the safe side.

You can hardly call the flowering of tulips, hyacinths or narcissus forcing after this date, as they come along nicely in any of our houses. Supposing you put your flats, pots or pans of the above mentioned useful bulbs in a house where the night temperature is 55 degrees; then you will be perfectly safe to allow the following number of days: Roman hyacinths, 18 days; Dutch hyacinths, 21 days; double tulips, 25 days; single tulips, 21 days; Von Sion or any of the narcissus, 21 days. If your tulips are frozen, allow three days more, as it takes that time to thaw them out in the shed. If you have Roman hyacinths frozen, bring

them in with their covering of earth and tanbark and let them thaw out very slowly in a cool shed, and they will be none the worse; but if put into strong heat when frozen, they are greatly injured.

The buds of lilies should now be plainly seen, and better if they are 2 inches long. Azaleas that have been kept cool are going to be just about right. If they are showing color here and there, no harm. Lilac will force nicely in four weeks. If your rhododendrons don't want to open, and they won't open in a cool house, as does an azalea, put them into the hottest house you have; 70 at night will do; give them lots of water and syringe twice a day. I told you before to give Deutzias a good five weeks. Hope you have them in the house. We shifted and stopped the mignonette for the last time about two weeks ago, and from now till Easter it wants the lightest bench you have and not over 45 degrees at night.

WILLIAM SCOTT.

during the last decade, Mr. Battles notes a great change in the status of the florist. Formerly when he had a decoration he passed his plateau of flowers into the house and he was done with it. Now he is called early and consulted with freely in advance. His position is now more that of an expert, and has greatly advanced in dignity.

He notes a considerable increase in the custom of sending bouquets to debutantes, this having been done with unusual freedom this season and last. These bouquets range in price from \$5 to \$40 each and when received are laid carelessly on mantels, the piano, window seats, pedestals of statuary, or any convenient place, and often but little other decoration is required. Sometimes fifty or more of these bouquets may be sent to one debutante on the occasion of her "coming out," and the house may be filled with flowers in this way. It can be seen from the way the flowers are used how necessary it is that they be absolutely fresh to stand such usage and look well.

The shower bouquet remains very popular. They are most generally made to hang in the form of a bunch of grapes, with a bow on the handle or among the flowers. A recent order was for a shower bouquet of orchids and lily of the valley with a diamond pin in the ribbon, the pin being supplied by the customer.

At lunches the decorations of the room are generally simple and unobtrusive, consisting of individual palms or other plants placed so as to seem a part of the usual furnishing of the house, and often the flowers are loose bunches that have been placed with seeming carelessness in a low handled basket, and at the close of the entertainment the basket is placed in the hall or passed by a servant, each guest being expected to take a bunch.

Of late there has been many dinners that preceded a ball, and at these dinners the decorations in many cases have been very elaborate. In addition to the usual high center piece there has been an expensive bouquet for each lady, this bouquet being laid on the table with a ribbon attached to it and leading to her plate. At such dinners the boutonnieres for the gentlemen have been very small, mostly two sprays of lily of the valley. More pretentious boutonnieres were provided after the dinner that they might be fresh for wear at the ball.

Hand bouquets are considerably used at balls, receptions and teas, and the custom of carrying bouquets to the theatre when a box is occupied seems to be reviving. A "French theatre bouquet" was being arranged during the call of the writer. It was perfectly flat across the top and when completed was about four feet across. In the center was about 500 single violets, then a row of Roman hyacinths interspersed with double violets, a row of Bride roses, another of Maids, then



A PHILADELPHIA FLORIST.

"There is always room at the top," says Mr. H. H. Battles, the well known Philadelphia florist. "Originality, good taste and absolute integrity are the three requisites to success." Mr. Battles lays much stress on the third requirement. To establish the ideal relation between the florist and his customer the latter must have been brought to have absolute confidence in not only the ability as a decorator and arranger of flowers of the latter, but also in his honor. The florist who takes advantage of a liberal minded customer has done himself an irreparable injury. The very life of his business is his reputation first as one to whom it is safe to give cart blanche order and second as one with the taste and skill to produce the most satisfactory result. He must establish a reputation for supplying fresh flowers, and always on time, and the smallest order that has been accepted must receive just as careful attention as the largest. Failure with a small order is just as disastrous as with a large one.

As illustrating his point he adds that during the recent heavy storms in Philadelphia it cost him \$11.00 to deliver a \$1.50 bunch of flowers, but it was delivered and on time. During the storm the expense of delivery was very heavy, but expense was not spared, as he felt it vital to maintain his reputation for being always on time.

In his business he uses the highest grade of flowers obtainable, and the greatest care is taken to prevent any but first class stock going to his customers. As a result the people say: "Battle's prices are high, but when you order of him it is sure to be all right, and delivered on time." It is his constant aim to maintain and extend the reputation he has secured in this direction. He uses a distinctive box, tied with red tape and sealed with red wax, and his effort is to have all flower buyers feel that when that box appears they can depend upon the contents being perfectly fresh and the very best the market affords in the way of flowers.

Referring to changes in the business

Meteors, the whole edged with the foliage of white Pandanus Veitchii. The use of the white pandanus is illustrative of Mr. Battles' genius for finding and using new material. When the foliage of Pandanus Veitchii has too large a proportion of white it is known that the plant is on the way to dissolution and must be got rid of. Such plants can be had at a reasonable rate, but should never be sold as plants. Mr. Battles buys them, decorates his store with them, and when a good opportunity to use the foliage arrives, he cuts the whole plant down and uses it entire in his scheme of arrangement. The price of the theatre bouquet mentioned above was \$25.00.

Another very handsome and more graceful bouquet seen at the same time was of long sprays of Acacia pubescens with lily of the valley worked in near the handle and tied with blue ribbon of a shade to match the dress of the lady who was to carry the bouquet.

Cibotium Schiedel is a tree fern that Mr. Battles has found very useful, the large fronds being especially effective when laid on the cloth in a dinner table decoration. He finds that the fronds of this fern last very well and give satisfaction.

He is always on the lookout for good material that has not been used by other florists. Primula Forbesii has entered into many arrangements. Acacias he uses whenever he can secure good sprays. Recently he has used camellias with great effect, thus reviving temporarily this old favorite. Another revival was that of the old Bon Silene rose, which he had grown specially for him and the buds cut just as they were showing color. These entered into some of his most effective bouquets.

He is very particular about the ribbon he uses. Being dissatisfied with all the ribbon supplied him for American Beauty roses, he finally had a ribbon manufactured specially for him at considerable expense and has the maker under contract to supply it to him exclusively. He feels that this expense was well repaid by giving him a ribbon that could not be duplicated elsewhere and which gave a special finish to bouquets of Beauties made by him. He carries these special effects so far as to employ a young woman who had a special training in the tying of bows and who watches carefully for any new touches in this art. The class of ladies who buy flowers from him are quick to note these little touches and to appreciate them.

In funeral arrangements flat clusters still lead in favor, crescent wreaths coming second and crosses third. The bunches are made of most any seasonable flowers and are generally tied with ribbon. In stemming, wires are used exclusively, toothpicks having been entirely abandoned long ago.

An effective funeral design noted in the store at the time was a crescent

wreath of ivy leaves with very short cypress leaves freely worked in over them and bunches of violets and lily of the valley interspersed with a loose tie of purple ribbon at the wide part. This was attached to an inconspicuous easel which could be folded under in case it was the desire to lay the wreath flat on the casket. The wreath seen was on a 24-inch frame, but this style is made on as large as a 36-inch frame.

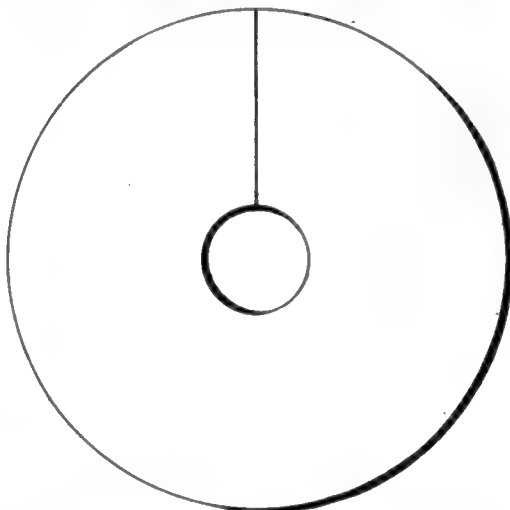
A pretty wreath that was part of the window display was a large crescent of browned magnolia leaves with two plants of white pandanus crossed at the widest part of the crescent and Asparagus plumosus draped across.

Orchids are freely used and enter into nearly every window display when they are obtainable.

Mr. Battles uses as little ice as possible in his business, depending upon having perfectly fresh flowers to start with and moving them rapidly.

CAREFUL PACKING.

We were considerably impressed with the careful packing of the flowers of the new carnation, Olympia, brought to the Philadelphia exhibition by Mr. J. N. May, Summit, N. J. While



it is probably too elaborate for ordinary use, the result is worth the trouble in the case of flowers for exhibition.

Disks of heavy paper or soft card were cut in the form shown in the accompanying engraving, with the center hole of a size to fit snugly around the calyx and with a slit to admit the stem, and one of these was pressed up under each flower. As the collar was a trifle larger than the flower the edges of the flower were protected from bruising. Then the whole length of the stem was protected by being tied to a light wooden stake of the same length as the stem, and the stem was attached to the stake by four or five ties of light raffia. The flowers so prepared were placed in a case with several trays, no flower resting on another, and the lower end of the stems covered with damp sphagnum.

It seems needless to say that the blooms arrived in splendid condition. Olympia, by the way, is a remarkably

large flower, the blooms on exhibition averaging $3\frac{1}{4}$ inches in diameter. It is marked much like Bratt, though the form is different. The blooms shown excited much favorable comment.

NEW YORK.

The Market.

New York is simply limitless in its magnitude, and yet when one attempts to pick out items of interest to the average florists, ah yes, there's where there's food for thought. What does interest the average florist? The grower, the wholesaler and the retailer are all in different classes and perhaps the only one thing in which they will concentrate their thoughts on is business. Well, business at present is anything but what we'd like it to be, and boys, it's no use getting the blues over it; let's do what we can and let the culls go in the barrel.

Prices this week are: Meteors, \$2 to \$10; Maids and Brides, \$2 to \$8; Beauties, specials, \$25 to \$50, next grade \$12 to \$25, and the next grade, \$2 to \$6; Von Sions, \$1 to \$1.50; golden spurs, \$2 to \$3; Valley, 75 cents to \$1.50, extra \$1.50 to \$2; Paper Whites, 50 cents to \$1; hyacinths, 50 cents to \$1; pansies, 25 to 50 cents; swainsona, 25 to 35 cents; violets, 20 to 50 cents; smilax, \$15; asparagus, \$35 to \$50; Harrisii, \$6 to \$10; carnations, common, 50 to \$1, fancy \$1.50 to \$4; tulips, 50 cents to \$3, and so on; but what's the use of prolonging the agony of such stuff, no one thanks a correspondent for saying the market is dull or that prices are abominable, and I am sure we find no pleasure in writing them.

Easter Prospects.

The question before the house is what is Easter going to be, and Mr. Editor, New York does not hesitate in saying that the prospects for Easter are very, very bright; all the growers need to do is to get their stock in good shape and be careful who they sell it to. Don't be too anxious to get rid of good things for they are scarce. We will have quite a few novelties this Easter; Ernst Asmus grand new rose Liberty will be in great demand; so will John H. Taylor's new rose Admiral Dewey; Ward, Dailedouze, May and other carnation specialists have some magnificent new flowers to offer and they will be in great favor. There will probably be more azaleas on the market this Easter than ever before, and perhaps it will be wise to cut the price.

Mr. Alex. Guttman has resigned his position as manager of Traendly & Schenck and has associated himself with James H. Blauvelt, wholesale florist, at 36 W. 27th street. The style of the firm is Blauvelt & Guttman.

Hitchings & Company have the contract for erecting the conservatories for the Botanic Garden in Bronx Park, New York. The work is now under way and it is planned to complete the range during the present year.

NOTICE

On Monday, February 27, 1899,

We will be at Our New Quarters,

42 and 44 Randolph St., Chicago, Ill.

KENNICOTT BROS. COMPANY.

Messrs. H. F. Goemans and H. P. Hugenholtz, representing K. J. Kuyk, Hillegom, Holland, and Ghent, Belgium, have arrived in this city.

Bowling.

There were a great many surprises for the boys who attended the bowling alleys on Monday night. Chicago and Boston were represented, and strange to say, neither Hoboken nor Flatbush, put in an appearance. We were all very much pleased to have G. L. Grant, the Editor of The Review, with us on this occasion and readily forgive him for the scores he made. Following are the scores:

J. Manda ..	121	116	108	140
W. Stewart ..	156	93	132	99
P. O'Mara ..	121	162	161	141
F. Traendly ..	...	98	105	123
A. Burns ..	140	135	145	167
L. Hafner ..	119	135	149	119
J. Penman ..	112	89	116	119
T. Lang ..	137	152	127	176
W. Plumb ..	140	121	...	...
J. C. Vaughan ..	...	136	111	91
G. L. Grant ..	...	114	121	130
Jim Donlan ..	...	148	82	105

IVERA.

BUFFALO.

It is some time since you heard from the Windy City at the east end of the lakes and during the interval nothing very new or startling has happened. There was a delegation of five Buffalonians attended the Philadelphia convention. Pretty good for our size of town. What a curious sensation to leave almost bare streets in our northern town and step into 4 feet of snow; however, in a city where the city hall is 520 feet above the sidewalk. The illuminated face of the clock is 22 feet in diameter and it would take longer figures than these to represent the true dimensions of the liberality, good will and hospitality of the Philadelphia florists; we will wonder at nothing.

Business is very fair. Carnations of good quality are decidedly the scarcest article. Tulips and daffodils are fair-



SURPLUS STOCK AT SURPLUS PRICES.

Poplars—Carolina, 6 to 8, 8 to 10, 10 to 12 and 12 to 15 feet, Golden, Silver and Lombardy same sizes. **Nycamore**—European, 6 to 8, 8 to 10, and 10 to 12 feet. **Magnolias**—Acuminata, 4 to 6, 6 to 8 and 8 to 10 feet; Tripetela, Soulangeana, and Speciosa 1½ to 2 and 2 to 3 feet, six other sorts 1½ to 2 feet. **Maples**—Immense stock, leading sorts, all sizes, 6 to 25 feet. **Mountain Ash**—European and Oak Leaved. **Willows**—Laurel Leaf, Canescens, Rosemary, Etc. In **Weeping Trees**, we offer immense lot of **Willows**, Kilmarnock, New American, Wisconsin and Babylonica. **Mulberry**—Teas Weeping, the finest lot we ever grew. **Mt. Ash**, Cut Leaved Birch, Etc. In **Vines and Shrubs**—**Ampelopsis**, Veitchi, strong two year field grown. **Clematis**, Jackmanii, Henryi, Mad. Ed. Andre, etc. **Berberis**—Thunbergii and Purpurea. **Elder**—Golden. **Syringa**—Golden. **Spireas**—Van Houtte, Anthony Waterer, Thunbergii, etc. **Lilacs**—New Double Flowered in 8 varieties. **Altheas**, **Deutzias**, **Snowballs**, **Syringas**, **Wiegelsias**, Etc.. in great supply. **Roses**—two years field grown, Hybrid Perpetual, Moss, Climbers, Wichuriana and Wichuriana Hybrids, Rugosa, and Rugosa Hybrids and Multiflora Japonica. **Azaleas**—Mollis and Pontica, fine bushy well-budded plants. **Forty-four Greenhouses** well filled with **Roses**, **Palms**, **Ferns**, **Ficus**, **Chinese Azaleas**, **Araucarias**, **Geraniums**, Etc. Correspondence solicited. Catalogues and price lists free.

THE STORRS & HARRISON CO., Box 545, Painesville, O.

Mention The Review when you write.

ly plentiful and of finest quality and although low in price have not yet reached the absurd figures of late years. Violets are very plentiful and poor qualities are offered at a very small price per bunch, but really good flowers bring a paying price and seem very popular just now.

There is an abundance of flowering plants in all the stores and on fine days the demand is good. What a difference the weather does make to us all and what a lot of weather we have had since last November.

At last we have among us a genuine crape chaser. He is not an importation; nor of a nationality that would be supposed to stoop to anything. Oh no, he is a cultivated young gentleman, prominent in church circles, paying a big rent on Main street for his store. His education is not responsible for this enterprising trait in his make-up. It is the maturing of a remarkable business faculty, brought out by a fuller development of character combined with the necessities of the times. Whatever it is he or his agent appears shortly after the public announcement of the deceased with album of designs, soliciting the "family order." It is only gentlemanly to be courteous to every agent or drummer, but this class should have the

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Cleveland Ohio, Jan. 16, 1899.
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Other testimonials will appear weekly. Write for prices.

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PITTSBURG.

Notwithstanding Lent business conditions have continued exceptionally good. Prices have gone down somewhat. The usual glut at about this season of the year has not yet shown itself. Funeral work produces a brisk demand for white flowers. Bulbous stock is not so plentiful this year and accordingly prices keep firm. Last year when the majority of the local growers devoted too much attention to the growing of Harrisii, stock sold as low as \$2, this year, due to more limited stock, price has as yet not been lower than \$10 per 100 for good stock.

Conrad Blind contemplates erecting a new house. Mr. Blind will devote himself especially to the culture of carnations and roses.

The next meeting of the Florist Club will be held Thursday evening, March 9th, at the store room of the Pittsburgh Cut Flower Co., Ltd., 705 Penn avenue. The executive committee who has charge of the proposed social entertainment will report at this meeting. It is not yet definitely decided whether this entertainment will be a banquet, hop, or card party.

T. P. LANGHANS.

CLEVELAND.

With the exception of funeral work trade has been quiet the past week. There is no scarcity except white and Daybreak carnations, which have been in short supply for some time; \$1.50 to \$2 per 100 is the price; roses \$5 to \$8; narcissus and Romans \$2 and \$3; tulips \$3 and \$4; Harrisii and callas \$12.50 to \$15; violets retail at \$1.50; daffs \$3.

A curious sight was a vase of pink chrysanthemums in one of the store windows.

J. M. Gasser had on exhibition in his window a vase of the famous Mrs. Lawson carnation which attracted a great crowd.

The Cleveland florists arrived home from Philadelphia on the 19th and all report having had a fine time.

O. A. C. O.

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15 ".....	2.00	
12 ".....	1.25	
8 ".....	1.00	
METEOR.....per 100,		
BRIDESMAID.....	5.00 to	\$7.00
BRIDE.....	5.00 to	7.00
PERLE.....	6.00 to	8.00
CARNATIONS.....	4.00 to	6.00
"fancy.....	1.50 to	2.00
Roman Hyacinths.....	3.00	
Valley.....	2.00 to	3.00
Daffodils.....	2.00 to	4.00

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Regular shipping orders given special attention. We have the largest plant west of Chicago.
Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.

Mention The Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

PHILADELPHIA.

The Market.

Business took a sudden drop the past week, both in cut stuff and foliage plants; this is more or less looked for by the store men during Lent. Cut stuff in general has been quite plentiful, with prices exceptionally low. Carnations sold at \$1 per 100 with the exception of some of the fancier varieties which sold for \$2. Brides and Maids sold at \$3 and \$4, and it was necessary for them to be very fine to bring the latter figure. Beauties ranked among the plentiful with supply exceeding the demand. Until the past week the store man found it very difficult to get enough Beauties to fill his orders, hence the past week was an exception. They sold for \$2.50 per dozen with very best bringing \$4. Valley was also very plentiful, selling at \$2 and \$3 per hundred; tulips \$3; Romans \$2 and \$3; Von Sions \$3, with the very best bringing \$4.

The fakirs were very numerous the past week after the blizzard.

Notes.

The regular monthly meeting of the Horticultural Society was held at Horticultural Hall, Tuesday, Feb. 21. An illustrated lecture was given by Mr. Gifford Pinchot, chief of the Forestry Bureau, Washington, D. C., the subject was the Western Forest Reservation. The business meeting was held in the Library room immediately after the lecture.

A remarkably handsome window decoration was seen at Pennock Bros'. during convention week. It consisted of a huge limb of a tree studded with orchid blooms, the flowers being inserted in small phials of water that were wired to the limb. There was but little else in the large double window and the effect was most excellent.

Conrad Kirchner, the well known carnation grower, died recently.

In our last issue it should have read that Mr. Hugh Graham decorated the Academy for the Hebrew Charity Ball, instead of as stated.

Five-year-old Elizabeth Redfield, the only daughter of E. W. Redfield, of Glenside, Pa., was crushed to death on Monday, Feb. 20th, by a barn door falling upon her. She was sent out to call her father for breakfast and was brought back a corpse by him. It was a very sad affair. R.

PROVIDENCE, R. I.—At the February meeting of the R. I. Hort. Society the speaker of the evening was Prof. W. W. Barley, of Brown University. His subject was Certain Movements of Plants, illustrated by blackboard sketches.

Always mention the Florists' Review when writing advertisers.

McKellar & Winterson,

WHOLESALE FLORISTS,

45-47-49 Wabash Avenue, - - CHICAGO.

OUR SPECIALTIES:

Ques. Why do the florists increase their orders on Evans-ton Carnation Cuttings?

Ans. Because they know a good thing when they see it.

Orchids, High-Grade Roses, Carnations and Violets.

Full line FLORISTS' SUPPLIES, Seeds, Bulbs, Hardy Stock.

Mention The Review when you write.

Bridesmaid excelled **MAID OF HONOR**, formerly called MISS CLARA BARTON
by this NEW ROSE.....

Plants in 2 1/4-inch pots NOW READY. Price — per 100, \$15.00; 50 at 100 rate. per 1000, \$125.00; 250 at 1000 rate.

HOFFMEISTER FLORAL CO., 813 Elm St. CINCINNATI, O.

For sale also by

E. G. HILL & CO., Richmond, Ind., and F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

Mention The Review when you write.

New Variegated **SANDUSKY**
Fancy CARNATION

One that can be grown at a profit for two dollars per hundred blooms.

TRY IT! \$2 per dozen. \$10 per hundred. \$75 per thousand.

W. E. HALL, - - - CLYDE, OHIO.

Mention The Review when you write.

ESTABLISHED 1802

THORBURN'S SEEDS

Fresh Seeds Just Arrived.

COCOS WEDDELIANA at \$7.50 per 1,000

LATANIA BORBONICA at 50c. per Lb.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

DAYTON FLORAL Co.

DAYTON, OHIO,
OFFERS

New California and New Yellow Marguerites, Rooted Cuttings at \$1.00 per 100.

The California flowers 3-in. across. Also Extra Fine Golden Bedder and Verschaffeltii Coleus, Rooted Cuttings at 75c per 100. Mail or express. CASH.

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THE HARRISII DISEASE can be prevented by immersing the bulbs for 5 hours in a half solution of

Kraft's Plant Tonic 99 per cent

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills Hard Shelled Scale, Mealy Bug, and other insect pests without injury to the plant. Send for circular.

KRAFT PLANT TONIC CO. Rockford, Ill.

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Ornamental Shrubs,
HERBACEOUS PERENNIALS.

A specialty of Iris, Phlox, Pæonies, Pyrethrums, Poppies, etc. Wholesale List on application.

JACOB W. MANNING,

The Leading ESTABLISHED 1864. New England Nurseryman. READING, MASS.

Mention The Review when you write.

Cyclamen Persicum Gigantum, the genuine article, nice plants, twice transplanted, \$2.50 per 100

by mail; \$20.00 per 1000 by express. **Dracena Indivisa**, 4-in. pots, \$5.00 per 100, 3-in. pots, \$3.00 per 100. Fine stock.

E. FRYER, Berriman Street and New Lots Ave. Brooklyn, N. Y.

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GERANIUMS...

Very fine, out of 2-inch pots.

800 GLOIRE DE FRANCE,
2000 LA FAVORITE,
2000 DOUBLE GEN. GRANT,

\$2.00 per 100; \$18.00 per 1000. Cash with order.

EDWARD LAPPE, -- Woodlawn, N. Y. City.

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SAMUEL S. PENNOCK, Wholesale Florist

OPEN DAY AND NIGHT—From 12 A. M. Mondays to 10 P. M., Saturdays.

A constant supply of SELECT VALLEY the year round. 1612-14-16-18 Ludlow St., Philadelphia, Pa.
AMERICAN BEAUTIES OUR SPECIALTY.

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PITTSBURG CUT FLOWER CO., Ltd. WHOLESALE FLORISTS.

Long Distance
Phone 2157.

CONSIGNMENTS SOLICITED.

No. 705 Penn Avenue,
PITTSBURG, PA.

FLORISTS' SUPPLIES.

Write for Price List.

Mention The Review when you write.

BOSTON.

Review of the Market.

With a series of fine sunshiny days, business has shown a decided improvement over that of last week, but with no perceptible advance in prices. Good flowers are eagerly sought after, while the poorer quality is taken by the fakirs or remains unsold. The average quality of Brides and Maids is first-class, selling at from \$6 to \$8 per 100, with extras holding at \$12.50. Some exceptionally nice stock brought in by Peter Bolt has sold at 16 and 20 cents each. Meteors range from \$6 to \$8 per 100, with Beauties selling from \$8 per 100 to \$6 per dozen. The market for carnations has been very good throughout the week, with a little falling off on Saturday. Average quality of whites and Scotts bring \$1.50 per 100; Daybreaks, from \$2 to \$4, according to grade; fancy whites, \$3; other fancies from \$3 to \$6 per 100. Violets run from 35 to 50 cents per 100, with a few strictly choice Princess de Galles bringing 75 cents. Harrisii lilies have shortened up very considerably and are firm at \$2 per dozen; Callas, \$1.50. Narcissus, hyacinths and tulips run from \$2 to \$3 per 100; valley, \$4 to \$6; mignonette, 25 cents to \$1 per dozen. There are a few odds and ends coming in, such as antirrhinum, stocks and pansies, which sell well.

The Trade Exhibition.

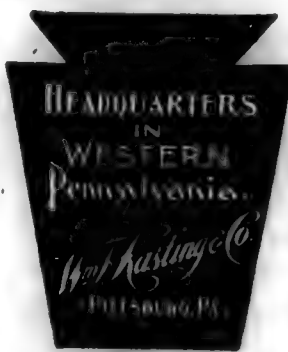
The annual trade show of novelties, carnations, roses, violets, etc., was a grand success, and both exhibitors and the many visitors were very profuse in their expression of the quality and quantity of the exhibits, something over a hundred vases of both new and old varieties being shown. Mr. C. W. Ward, of Queens, N. Y., staged some fine specimens of G. M. Bradt, John Young, New York, White Cloud, G. H. Crane, Gomez, Maceo, and Glacier. The White Cloud was very fine and kept up its reputation as the best white up to date.

Mr. Frank Niquet sent on a vase of Maud Adams, a beautifully colored variety, being of a deep pink color of a taking shade, and of good size.

Joseph Tailby & Son entered

ROSES.
Carnations
VALLEY
FERNs.
GALAX, and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

Consign-
ments of
good stock
solicited.



We get
daily new
customers
because
we have
the
reputation
that
all orders
are
punctually
filled.

Long
Distance
Telephone
2985.

WM. F. KASTING & CO., F. STOKES,
Manager.

Wholesale Florists. 444 Sixth Ave.

All kinds of FLORISTS' SUPPLIES and
WIRE DESIGNS on hand.

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KELSEY'S SOUTHERN Galax Leaves

Brilliant Green and Bronze.

Information of the Introducer,

HARLAN P. KELSEY,

Prop. Highlands Nur- 1106 Tremont Bldg..
sery in North Carolina. BOSTON, MASS.

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Cut Flower Exchange,

404 - 412 East 34th St., New York,

NEAR THE FERRY.

Open Every Morning at 8 o'clock for the sale of
CUT FLOWERS.

Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

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HOUSE PLANTS IN THE HOUSE.

The PLANT trade from the point of
"business," and also the care of Plants,
treated in an attractive six-page Folder
to be given to customers.

Sample order of 25 copies mailed for 60c in stamps

Dan'l B. Long, Publisher, Buffalo, N. Y.

Mention The Review when you write.

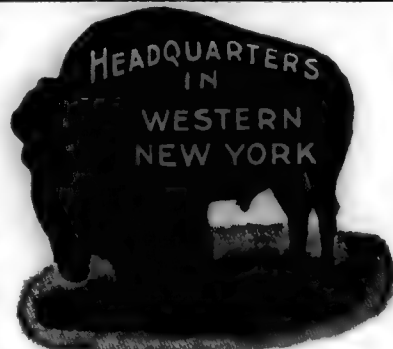
Money Maker. Lizzie McGowan Carnation,
Rooted Cuttings must go
faster, price reduced to
\$5.00 per thousand, as good as the best. Also
Geraniums, from 2 to 2½-in. pots, best kinds,
mixed, used by the wealthy people of Trenton,
N. J., past season. Now ready for 3½ or 4-in.
pots, at \$2.50 per hundred, \$20.00 per thousand.
Cash. Sample free.

B. F. MUSCHERT, - PENN VALLEY, PA.

Mention The Review when you write.

GIVE US
A
TRIAL.
WE CAN
PLEASE
YOU.

Roses,
Carnations
and all
kinds of
Seasonable
Flowers
in stock.



WM. F. KASTING, Wholesale Com-
mission Florist.

495 Washington St., BUFFALO, N. Y.

Also Dealer in Florists' Supplies and Wire
Designs.

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WM. J. BAKER, WHOLESALE CUT FLOWERS,

1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

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EDWARD REID, Wholesale Florist,

LONG
DISTANCE
PHONE.

1526 Ranstead St., PHILADELPHIA, PA.

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Double Daffodils. SURPLUS CUT BLOOMS.

50 for \$1.50 1,000 for \$20.00
100 for 2.50 500 at 1.00 rate.
Cash must accompany order.

JOHN WELSH YOUNG, - Germantown, Pa.

Upsal Station, Penn. R. R.

Mention The Review when you write.

Rose Hill Nurseries.

Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

Largest stock in America.

SIEBRECHT & SON,

New Rochelle, N. Y.

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GOLD FISH and AQUARIUM SUPPLIES.

KEENAN'S
SEED
STORE.

6112 and 6114
Wentworth Avenue,
CHICAGO

Mention The Review when you write.

Wellesley in competition for the Cottage Garden's Cup, and showed a vase of a crimson seedling. H. A. Cook, of Shrewsbury, Mass., had a vase of Dorothy Mandell, a nice looking carnation of a deep salmon color. E. G. Hill & Co. exhibited some magnificent blooms of America and White Cloud. H. L. Littlefield exhibited a vase of John N. May's, light pink, Melba, a reminder of Sweetbriar, Elsie Ferguson, Painted Lady, John Young, Bradt, Leslie Paul, and others of earlier introduction.

W. R. Shelmire staged his new seedlings, which were very fine, especially Duke of York and Progress. L. C. Eastburn brought a promising white variety Mary A. Baker also some nice blooms of Anna Eastburn and Buttercup.

M. Wieland, of Evanston, showed blooms of his sport from Tidal Wave, of a taking color. L. C. Goddard, of Woodfords, Me., had two seedlings called Morn and Arenthus. Among local growers, Mr. Nicholson had a fine vase of Evelina, which contradicts the opinion of the majority of the investors in that variety and proves that it is one of the best whites of last year's introduction. Mr. Nicholson is to be congratulated on the advent of a white sport from Bradt, sample bloom of which he exhibited. J. E. Long, of Holliston, J. H. Leach & Son, Patten & Co., J. D. Twombly and W. S. Phelps showed some exceedingly fine specimens of older varieties.

The Lawson was, however, the center of attraction, Mr. Fisher having a vase of 100 blooms that loomed up over everything else. He also entered twelve blooms and plant in competition for the Breck Cup, which he easily won, there being no competition against him.

For the Cottage Garden's Cup there were four entries—F. A. Blake, with Bon Ton; Dailedouze Bros., with Mars; J. Talby & Son, with Wellesley, and M. B. King, with Fred King. Bon Ton was the winner, thus securing to Mr. Blake the ownership of the cup.

A fine bunch of the new Imperial violets grown by W. L. Minor, created quite a furor among the violet men, several of whom took a trip to Brockton to see it growing.

The Hoffmeister Floral Co. sent on some blooms of the new rose, Maid of Honor, which showed up very well considering the distance it had come. E. N. Pierce & Son, of Waverly, exhibited a fine vase of their giant Mignonette, Boston Market, and were awarded a certificate for the best novelty other than carnations.

Certificates were also awarded to Peter Fisher for the best vase of carnations on exhibition with variety Mrs. Lawson, and to F. Dorner & Sons for twelve or more blooms of the best carnation, to be introduced this spring with variety G. H. Crane. Messrs. A.

[Continued page 338.]

GREEN-HOUSE CONSTRUCTION.

This has been a specialty with us for many years and to us is due the credit for many of the great improvements that have been made in the construction of wooden green-houses. To those that buy our

Clear Cypress Building Material

we furnish, free of cost, complete detail drawings from which any intelligent workman can put up the material correctly. We have plenty of time to write letters ABOUT OUR BUSINESS, and we will be glad to hear from those contemplating building.

Write for Circulars
or Estimates.

LOCKLAND LUMBER Co.

LOCKLAND, OHIO.

H.W. BUCKBEE Seed Specialist,

Rockford Seed Farms.
Forest City Greenhouses.

Lock Box 911. ROCKFORD, ILL.

Special Prices Upon Application.

Mention The Review when you write.

Live Sphagnum Moss

For Orchids, etc., \$1.25 per bbl.

Sphagnum Moss

First quality, \$1.00 per bale; 10 bales, \$8.00.

Z. K. JEWETT & CO., SPARTA, WIS.

Mention The Review when you write.

Chrysanthemums.

We are Headquarters for all '99 Novelties.
Also complete list of best commercial varieties.
Our Catalogue Now Ready.

NATHAN SMITH & SON, Adrian, Mich.

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INSURE AGAINST FIRE Florists' Mutual

Fire Insurance Ass'n.

ADDRESS W. J. VESEY, Sec'y,
FORT WAYNE, IND.

Violets my Specialty.

Finest, Healthiest Stock in the country.
Marie Louise, California and Luxonne, strong rooted runners, 80c per 100, \$1.00 per 1,000. Princess of Wales, \$1.00 per 100, \$8.00 per 1,000. La France, new, \$8.00 per 100. Cannas—Mme. Crozy, Florence Vaughan, Paul Marquant and Robusta, dry roots, \$1.50 per 100, \$12.00 per 1,000.

Will exchange for Carnations Frances Joost and James Dean, Farquhar Violets and Pansies.

WM. S. HERZOG, Florist, MORRISTOWN, N. J.

Mention The Review when you write.

IMPERIAL VIOLET.

10,000 Rooted Cuttings left out of the 20,000.
Ready for immediate delivery.

After these are gone shall not be able to send plants till sometime in March. I believe the Imperial, without exception, is the largest, longest stemmed, deepest blue in color, and most fragrant double violet grown, and for health and vigor cannot be surpassed if it can be equalled. It has never shown the slightest trace of disease of any kind. I have heard of large yields of flowers but my plants to date, Jan. 1st, have given me an average of 35 flowers per plant, and to-day the large fat buds are as thick as straws. The price of the Imperial has averaged so far for this season \$1.47 per 100; can you beat this? If you cannot, send a small order and give them a trial. With every order of a dozen or more I will send my new book on Violet Culture that will tell you some things that you do not know; it is a plain description of the results of years of careful experiment. The book itself is worth all you pay for the plants, and is, I believe, the only work of the kind in print; it also describes the model violet house, preparation of beds, soil and fertilizers; this work I have copyrighted and it can only be obtained from me. Price of plants with Violet Culture:

Per dozen, \$1.50 Per 100, \$10.00
Per 500, 45.00 Per 1000, 90.00

W. L. MINOR, Brockton, Mass.

Violet Specialist, 588 Belmont St.

All intending purchasers are cordially invited to call at my house and see this truly magnificent violet in bloom. It will pay you.

Mention The Review when you write.

1840 Old Colony Nurseries, 1899

**HARDY SHRUBS, TREES, VINES,
EVERGREENS and PERENNIALS.**

A large and fine stock of well rooted plants, grown in a sandy loam. Good plants, best sizes for planting, very cheap.

Trade list free on application.

T. R. WATSON, Plymouth, Mass.

**THE REGAN
... PRINTING HOUSE ...**

Nursery
Seed
Florists' **Catalogues**

87-91 Plymouth Place, Chicago.

Always Mention the....

Florists' Review

When Writing Advertisers

National Florists' Board of Trade

CORNELIUS S. LODER, Sec'y, 271 Broadway, New York.

Publishers of Credit Lists.

Collections Made.

Reports Furnished.

Correspondence Solicited.

H. Fewkes, of Newton, M. A. Patten, of Tewksbury, and Julius Zinn, of Boston, acted as judges.

The News.

The next meeting of the Gardeners' and Florists' Club of Boston, will be held at 8 o'clock Tuesday evening, March 7, at Horticultural Hall. The president, Mr. W. H. Elliott, will read a paper on "Methods of Establishing a Business as a Grower."

A great many of our growers, who are also growers of vegetables and mushrooms, will learn with much regret of the death of Mr. H. G. Cole, of Hall & Cole the popular commission produce firm.

It is reported that one of our old standbys, Mr. E. Sheppard, of Lowell, has been stricken with a shock of apoplexy.

The well known seed firm of R. & J. Farquhar & Co., have dissolved partnership, Mr. Robert Farquhar withdrawing and opening a separate establishment.

Mr. John R. Fotheringham, representing F. R. Pierson Co., of Tarrytown, N. Y., has been in town this week, having just returned from an annual pilgrimage to the Bermudas. He reports that in all probability the supply of lilies this season will be less than usual, but with much better quality, and that the Easter shipment of cut bloom will be very light, the shipping being confined to the few small growers.

Among other visitors were Mr. McRorie, representing W. A. Manda; L. B. Eastburn, Kennett Square, Pa.; C. W. Ward, Queens, N. Y.; L. C. Goddard, Woodsford, Me.; Geo. Buxton, Nashua, N. H.; H. A. Cook, Shrewsbury, Mass., and others from nearby cities.

COL. THOMPSON, the inventor of Jadoo, has arrived in New York per S. S. Umbria. The purport of his visit is to consult with the Am. Jadoo Co., with a view to largely increasing their capital, thus enabling them to build a plant on the Pacific slope and to push their largely increasing business and to still further practically demonstrate the merits of Jadoo.

ANGOLA, IND.—A store will soon be opened by Judge S. A. Powers and Henry Johnson, an expert florist who will manage the business. They will deal in all kinds of cut flowers, decorations and bedding plants, flower seeds, etc.

Sweet Pea Seed.

**SPECIAL OFFER at Growers' Prices
FOR ONE WEEK ONLY.**

Aurora, American Seedlings, Blanche Burpee, Blushing Beauty, Boreatton, Captivation, Cardinal, Creole, Coquette, Crown Jewel, Daybreak, Duke of York, Emily Eckford, Firefly, Gray Friar, Her Majesty, Juanita, Golden Gate, **Lady Nina Balfour**, Lottie Eckford, **Mars**, Maid of Honor, Miss Hunt, Monarch, **New Countess**, Prima Donna, Prince Ed. of York, Princess Beatrice, Queen Victoria, Queen of Isles, Red Riding Hood, Royal Rose, Salopian, Shahzada, Stanley, Triumph, The Bride.

Any of the above **postpaid**, per oz., 5c; $\frac{1}{4}$ lb., 15c; $\frac{1}{2}$ lb., 20c; 1 lb., 40c.

Selections in 5 and 10 lb. lots, per lb., 35c, **delivery included.**

Eckford's Choicest Hybrids, mixed, per lb., delivered, 25c; 100 lbs., delivered at \$15.00.

Address

H. H. BERGER & CO.

Established 1878.

47 BARCLAY ST., NEW YORK.

Mention The Review when you write.

DAHLIAS

By
the
Tens
of
Thou-
sands.



My prize winners carried off the highest National honors yet awarded the Dahlia—a diploma and gold medal at the Omaha Exposition. Get my catalogue before ordering elsewhere.
Box 382. W. W. WILMORE, Denver, Col.

Mention The Review when you write.

ANTON SCHULTHEIS, P. O. Box 78
College Point, Queens Borough, N. Y.
HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity

Come, see and convince yourself. **Ericas (Heather), also Full Line of Other Flowering Plants**
Price List on Application.

Asparagus Plumosus Nanus.

Per 100.
1000 Asparagus Plumosus Nanus, 4-in. pots, \$15.00
1000 " " " 5 " 18.00
200 " " " 7 " 25.00
300 " " " 8 " 35.00

Asparagus Seed, home grown, \$1 per 100, \$9 per 1000
Write for prices on Carnation Cuttings.

W. F. Kastling, 495 Washington St. Buffalo, N. Y.

Mention The Review when you write.

Always mention the Florists' Review when writing advertisers.

50,000 Rooted Cuttings

Per 100
Begonia Incarnata Gigantea.....\$2.00
" Rex, mixed, Mrs. Pollock..... 2.00
" Rex, 30 named varieties..... 4.00
Coleus, 50 varieties..... 1.00
" mixed.....\$5.00 per 1,000..... .60
" separate colors, 6.00..... .75
Ageratum, Geraniums, mixed..... 1.00
Geraniums, separate kinds..... 1.50
" bronze, lemon verbenas..... 1.50
" silver leaf, rose scented..... 1.50
" Mme. Sallerii, Vinca var..... 1.25
Impatiens Sultana, assorted..... 2.00
Pelargoniums, assorted, named..... 4.00

POTTED PLANTS.

Begonia Incarnata Gigantea.....2½-in. 4.00
" Rex, mixed..... 4.00
" Rex, 30 named varieties..... 6.00
Cinerarias, best strains..... 3.00
Asparagus Plumosa Sprengerii..... 6.00
Impatiens Sultana..... 3.00
Geraniums, Silver Leaf..... 4.00
Lemon Verbena..... 4.00
Forget-me-not, winter flowering..... 8.00
Vincas Var., 2-inch, 3-inch, extra.....\$2.00 to 4.00

Write for prices on other stock or for large quantities. Terms Cash or C. O. D.

GREENE & UNDERHILL,
Watertown, N. Y.

Mention The Review when you write.

ORCHIDS....

CATTLEYA FLOWERS of finest quality always on hand. Orders from unknown parties must be accompanied by cash. Orders taken now for **Cattleya Labiata Plants**, spring delivery.

Lager & Hurrell, Growers and Importers.... Summit, N. J.

Mention The Review when you write.

Mention The Florists' Review when writing advertisers.

CHICAGO.

The Market.

There is nothing new to report in regard to the market. Owing to the continued large death rate white flowers are still scarce and consequently in greatest demand. Prices are somewhat lower on pink and red stock this week. Roses are held at from \$4 to \$8 for white; colored, \$4 to \$6.

Carnations sell fairly well at about last week's quotations. Some splendidly grown Tidal Waves were seen at Amling's with long, erect stems, which were nearly equal to Triumphs.

In the bulb line all white stock moves without much difficulty, though it must be confessed at rather low figures. Callas were seen in fine shape at S. B. Winter's.

Notes.

Messrs. Kennicott Bros. Co. are now doing business in their large new basement quarters at 42-44 Randolph street. They have more than double floor capacity, with excellent facilities for cooling purposes, etc. They are very enthusiastic over their present location and anticipate a fine spring business.

Mr. A. Lange celebrated his eighth anniversary in the florists' business on Monday. A handsome floral display was made and in the evening he entertained a few friends. One of the features of the evening's entertainment was the interesting talk by Mr. Peter Barr, the eminent London seedsman.

Mr. Klunder, with J. Mangel, made a handsome design for the funeral of the general superintendent of the Adams Express Company. The design, a scroll, was contributed by the Chicago employes and was one of the handsomest pieces ever executed in Chicago. About 6,000 violets and 1,000 valley were used.

Bowling.

The Bowling Club rolled three games at Mussey's alleys last Friday night. Quite a number were in attendance and the following scores were made:

Wilson	137	179	130	149
Asmus	143	165	196	147
Geo. Stollery	168	133	121	170
F. Stollery	152	164	110	98
Henderson	122	133	100	151
Kreitling	108	153	105	109
Lange	135	91	93	130
Winterson	156	119	111	...
McKellar	122	120	147	...
Hartshorne	123	109	134	...
Hauswirth	116	126	133	...

CORRECTION.

In our last issue, page 320, the price of carnations, in the advertisement of W. G. Kraber should have read \$1.50 per 100 instead of \$7.50.

PORTLAND, ORE. — Herman Lewitz, the florist, lost \$2,000 by fire; no insurance.



REGULAR SHIPPING ORDERS RECEIVE SPECIAL ATTENTION.

WINTER BROS.

51 Wabash Avenue, Chicago.

WHOLESALE GROWERS OF Cut Flowers

We Are Headquarters for...

AMERICAN BEAUTIES,
of which we cut from 2,000 to 3,000 daily. Our **Brides, Meteors, Maids and Perles** were never better.

OF CARNATIONS
we grow 50,000 plants of all the leading varieties, and they cannot be surpassed.

Wholesale Price List.

Am. Beauty, extra long stem, per doz.	\$5.00
" 24-in. stem	3.50
" 20-in. "	2.50
" 15-in. "	2.00
" 12-in. "	1.25
" 8-in. "	1.00
Meteor per 100,	\$6.00 to 8.00
Bridesmaid.....	6.00 to 8.00
Bride	6.00 to 8.00
Perle	5.00 to 6.00
Carnations	1.50 to 2.00
" fancy	3.00

All other stock at lowest market prices. No charge for packing.

Mention The Review when you write.

S. B. WINTER,

L. P. KELLY,
Manager.

Telephone Main 4580.

21 Randolph Street, CHICAGO.

COMMISSION HANDLER OF

High Grade Cut Flowers

GROWERS OF GOOD STOCK....

Can Secure the Best and Quickest Returns by Consigning to us

PRICE LIST.—Subject to Change without Notice.

ROSES			
American Beauties, long...	per doz.,	\$5.00 —	
“ “ medium	“	2.00	\$4.00
“ “ short	“	1.00	1.50
Meteors, Maids.....	per 100,	5.00	7.00
Brides.....	“	6.00	8.00
Perles.....	“	4.00	6.00
Roses, seconds, average	“	4.00	
CARNATIONS		Per 100	
Fancy varieties.....		\$3.00 —	
Ordinary varieties, extra quality		2.00 —	
“ “ average stock.....		1.50 —	

MISCELLANEOUS			
Freesia	per 100,	\$2.00 —	
Callas ...	per doz.,	1.50 —	
Harrisii	“	1.30 —	
Romans	per 100,	2.00 —	\$3.00
Narcissus.....	“	3.00 —	
Daffodils	“	2.00 —	
Tulips	“	2.00 —	4.00
Valley	“	3.00 —	4.00
Violets	“	.50 —	.75

Mention The Review when you write.

EASTER, 1899, IS COMING!

Don't delay any longer to order your

LILY OF THE VALLEY, the cream of the market, Berlin pips, large bells, \$12.00 per 1000.
CRIMSON RAMBLER, extra fine plants, \$25.00 per 100.
TUB. ROOT. BEGONIA HYBRIDA, in four separate colors, bulbs about 1½ inches diameter, \$2.50 per 100, \$20.00 per 1000.
GLOXINIA HYBRIDA CRASSIFOLIA ERECTA, \$3.50 per 100, \$30.00 per 1000.
CLEMATIS, RHODODENDRONS, SPIRAEA, PAEONIES, etc., now on hand.

Terms to unknown correspondents, cash; otherwise, 60 days.

F. W. O. SCHMITZ, Jersey City, N. J.

Mention The Review when you write.

100,000 VERBENAS,

THE CHOICEST VARIETIES IN CULTIVATION....

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

No Rust or Mildew. Packed Light and Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

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Always mention the Florists' Review when writing advertisers.

PAPER MACHE POT COVERS FOR EASTER



One of the cheapest and best advertisements for you. Put a cover on each pot that goes out of your store, **stamp your name**, etc., on same, and your advertisement remains as long as either plant or cover.

None Better or Cheaper.

Brown.	
6-inch, per dozen.....	40 cents
7 " " " " " " " " " "	60 " "
8 " " " " " " " " " "	80 " "

White, Gold, Silver or Assorted Colors.

6-inch, per dozen.....	75 cents
7 " " " " " " " " " "	90 " "
8 " " " " " " " " " "	\$1.00

Per 100, Assorted Covers at \$8.00.
Per 1000, Covers Assorted at \$50.00.

Order Early to have your orders filled.

M. RICE & CO., IMPORTERS AND MANUFACTURERS OF FLORISTS' SUPPLIES,

New Illustrated Catalogue for the asking.

25 North Fourth Street, PHILADELPHIA, PA.

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We offer well Rooted Cuttings of Roses and Carnations, as per list opposite, all in fine condition.

Place orders early.

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	Per 100	Per 1000
BRIDESMAID.....	\$3.00	\$25.00
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PERLE.....	3.00	25.00
METEOR.....	3.00	25.00
KAISERIN.....	3.50	30.00

NEW CARNATION Evanston

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\$ 7.00 per 100
80.00 per 1000
500 at the 1000 rate.

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ROSES.

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Meteor.....	\$1.50	\$12.50
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Bride.....	1.50	12.50
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McGowan.....	1.00	7.50
Tidal Wave.....	1.00	7.50
Kohinoor.....	1.00	7.50
Flora Hill.....	1.50	12.50
Jubilee.....	2.50	20.00
Mayor Pingree.....	1.50	12.50
Triumph.....	2.50	20.00
Nivea.....	1.50	12.50
Daybreak.....	1.50	12.50
Armasindy.....	1.50	12.50
McBurney.....	2.50	20.00
Alaska.....	1.50	12.50
Argyle.....	4.00	35.00
Painted Lady.....	3.00	25.00
Evelina.....	3.00	25.00
White Cloud.....	4.00	35.00

REINBERG BROS., 51 Wabash Av., Chicago

Send for Price List!

We have a fine stock of 9 varieties of 1899, 24 of 1898 and ALL the best of the older sorts of

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CASH WITH ORDER.

S. D. BRANT, Clay Center, Kan.

ST. LOUIS.

The Market.

Considering the falling off in social events and the commencing of the Lenten season trade in general has been fair. The weather, the beginning of the past week, was warm and spring-like; Thursday a blizzard which drove the mercury nearly down to zero and Saturday it rained all day. There was a slight drop in the price of roses last week, but the expected glut did not occur, although there is plenty of everything with bulb stuff in the lead.

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[Continued page 340.]

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"Lady Dorothea"

Will be disseminated this season.

READY APRIL 15th.

JOHN H. DUNLOP, Toronto, Canada.

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PALMS

All Home Grown, Strong and Healthy.

All Measurements are from Top of Pot, and don't you forget it.

ARECA LUTESCENS.

4-in. pot,	3 Plants,	Height.	Per doz.	Per 100
5	"	15 to 18 in.	\$ 3.00	\$25.00
6	"	20 to 22 in.	6.00	50.00
8	"	22 to 25 in.	9.00	75.00
10	"	25 to 30 in.	12.00	100.00
12	"	30 to 32 in., very bushy, ea.	10.00	

A few bushy specimens, 14-in. pot, 1/2-ft. high, ea., \$25

JOS. HEACOCK,

WYNCOTE, PA.

Mention The Review when you write.

COCOS WEDDELIANA.

2 x 3-in. pot,	1 Plant,	Height.	per 100,	\$10.00
3	"	6 to 8 in.	"	15.00
4	"	8 to 10 in.	"	40.00
5	"	15 in.	"	60.00
6	"	15 to 18 in., ea., 50c.	doz.	6.00
8	"	15 to 18 in., ea., 50c.	doz.	6.00

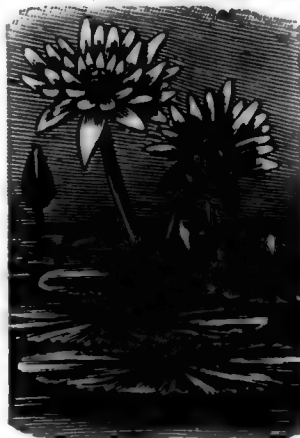
KENTIA BELMOREANA.

3-in. pots,	4 to 5	Height.	Per doz.	Per 100
4	"	10 to 12 in.	\$1.00	\$ 25.00
5	"	15 to 18 in.	6.00	50.00
6	"	18 to 20 in.	12.00	100.00
8	"	18 to 20 in.	15.00	125.00
10	"	24 to 30 in.	18.00	150.00

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Burpee's Seeds Grow

Water Lilies and Aquatics



We offer a full line Hardy and Tender Nymphaeas, Lotus and Victorias for decorative display or cut flowers. We make a specialty of these favorites and our collections in both hardy and tender sorts are unsurpassed. We are pleased to furnish to intending purchasers estimates and practical suggestions for planting large or small ponds.

Henry A. Dreer
PHILADELPHIA.

PALMS AND FERNS

The Largest Stock of Plants in the West.

Geo. Wittbold, 1708 N. Halsted St. Chicago

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Always Mention the....

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When Writing Advertisers.

Novelty

and a good one, Ageratum Blue Perfection, fine foliage and large, well colored flower, for pots or borders. 2 1/2-in., strong, 50c per doz., \$3.00 per 100. **CANNAS**, strong, 1 to 3 eyes, red leaved, \$1.00 per 100, \$3.00 per 1000. Named—Egandale, America, Queen Charlotte, Vaughan, Crozy, Italia, Austria, Chas. Henderson, Berat, etc., \$2.00 per 100, \$15.00 per 1000. Seedlings with leaves 6-in. high from above varieties, \$1.00 per 100, \$3.00 per 1000. Good mixed, 1 to 3 eyes, \$1.00 per 100, \$3.00 per 1000. Also Carnations, Geraniums, Coleus, Chrysanthemums, etc. Let us price your list.

RICHARD INSALL,

Lock Box 514, West Moorestown, N. J. Near Phila.

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FINE HEALTHY STOCK CHEAP.

Per 100
Sweet Alyssum—double, 2 1/2-in. pots \$2.00
Chrysanthemums—new and standard varieties 4.00
Geraniums—double Grant, 2 1/2-in. pots 2.00
Geraniums—Snow on the Mountain, white leaved. 2.50
Heliotrope—finest dark, 2 1/2-in. pots 2.50
Salvia—new Clara Bedman, fine plants 2.00
Coleus—Verschaffelti and Golden Bedder.... 2.00

CASH WITH ORDER, PLEASE.

NICHOLAS AMOS, - Crestline, Ohio.

Mention The Review when you write.

CRABB & HUNTER,

Violet Specialists. Orders received now for Spring delivery of All stock such as produces a crop—Marie Louise, Farquhar and Lady Campbell.

CARNATIONS. Rooted Cuttings of Flora Hill, Evelina, Painted Lady, Firefly, Pingree, Morello and other standard varieties.

GRAND RAPIDS, MICH.

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Brown.

6-inch, per dozen.....40 cents
7 " "60 "
8 " "80 "

White, Gold, Silver or Assorted Colors.

6-inch, per dozen.....75 cents
7 " "90 "
8 " "\$1.00

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Armazindy	1.50	12.50
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ARECA LUTESCENS.

		Height.	Per doz.	Per 100
4-in. pot,	3 Plants,	15 to 18 in.	\$ 3.00	\$25.00
5 "	3 "	20 to 22 in.	6.00	50.00
6 "	3 "	22 to 26 in.	9.00	75.00
6 "	3 "	28 to 30 in.	12.00	100.00
12 "	3 "	60 to 72 in., very bushy, ea.,	10.00	

A few bushy specimens, 14-in. pot, 1/2-ft. high, ea., \$25

JOS. HEACOCK,
WYNCOTE, PA.

Mention The Review when you write.

COCOS WEDDELIANA.

		Height.		
2 x 3-in. pot,	1 Plant,	6 to 8-in.	per 100,	\$10.00
3 "	1 "	8 to 10-in.	"	15.00
4 "	1 "	15 in.	"	40.00
5 "	1 "	15 to 18-in., ea.,	50c.; doz.	6.00
5 "	3 "	15 to 18-in., ea.,	50c.; doz.	6.00

KENTIA BELMOREANA.

	Leaves.	Height.	Per doz.	Per 100
5-in. pots,	4 to 5	10 to 12-in.	\$ 1.00	\$ 25.00
4 "	5 to 6	15 to 18-in.	6 00	50.00
5 "	5	18 to 20-in.	12.00	100.00
6 "	6	18 to 20-in.	15 00	125.00
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Julius Koenig, Jr., deserves great credit for the fine azaleas and cinerarias he is sending to this market.

E. W. Guy and Henry Emundt, of Belleville, were in town last week celebrating Washington's birthday.

The next meeting of the club will be a notable one, as the public has been invited and with the carnation on exhibition it will be quite interesting to all. John Young is expected to read his essay. It will also be decided if we will have a show this year or not. Everybody in the florist business is expected to attend; March 9 is the date; meeting called at 3 p. m. in Hall No. 2, Odd Fellows' Building.

The Bowling Club had a full attendance last night and the three leaders for The Review prize struggled hard to outroll each other. After rolling four regular games the scores showed that C. A. Kuehn had won the prize with an average in 37 games of 157, followed by C. Beyer and D. Finlayson with 156, they being tied for second place. The February series of 16 games was also won by C. A. Kuehn with an average of 167. This gives Kuehn the knife and the medal. Carl Beyer wins the lucky medal for the highest single score, 226. During the March series we will again roll for a knife, beginning next Monday night, March 6.

The averages for The Review prize were as follows:

	No. G.	Tot.	Ave.	H.S.
C. A. Kuehn.....	37	5,826	157	212
Carl Beyer	28	4,381	156	226
D. Finlayson	37	5,771	156	225
J. J. Beneke	37	5,519	149	184
C. C. Sanders	27	3,857	143	193
Emil Schray	13	1,862	143	172
John Young	19	2,572	142	153
John Kunz	32	4,418	138	194
R. F. Tesson.....	3	399	133	155
F. C. Weber	28	3,759	132	147
F. J. Filmore	29	3,675	130	158

J. J. B.

FLORISTS' FIRE INSURANCE.

On Jan. 1st, 1899, the Florists' Fire Insurance Association completed its first year, and now at the close of fourteen months the board of directors has authorized a second assessment. It is gratifying to know that from the experience of the first year, the board considered that one-half a full assessment would probably be sufficient for the second year, and accordingly that amount has been levied, to be paid on all policies at the expiration of one year from date of issuance. The association has promptly paid its losses, of which it has had five, three by fire and two by lightning. The trade papers have published accounts of a large number of losses this season. Most of these were without insurance, and the list contains the names of many well-constructed plants as well as those not so well built.

Those desiring further information in regard to the association should apply to W. J. Vesey, secretary, Ft. Wayne, Ind.

Carnation Seeds and Carnation Seedling Plants

From Hand Fertilized, Winter Blooming Varieties.

100 Seeds for 25 cents
100 Plants for \$4.00

Sent free by mail.

25 Plants at 100 rate. Cash with order.

AMERICAN ROSE CO., WASHINGTON, D. C.

Mention The Review when you write.

CARNATIONS...

ROOTED CUTTINGS.

G. H. Crane—The leader, large brilliant scarlet. Early and continuous bloomer.

Gen. Maceo (Ward) Maroon scarlet. The best of its class. Early and free.

Gen. Gomez (Ward) Cardinal maroon. Free bloomer.

Glacier (Ward) Pure white, dwarf habit.

America (Hill) Large soft scarlet.

Melba (May and Craig) Light pink.

White Cloud. All who have tried this variety declare it to be the best white carnation ever introduced.

Gold Nugget, yellow. **New York**, cerise pink. **Mrs. Jas. Dean**, light pink. **Mary Wood**, white. **Mrs. Geo. M. Bradt**.

Also, the best of all the other 1898 and standard varieties. We have a FINE STOCK of

EARLY CUTTINGS READY NOW.

Send for our complete descriptive Price List.

Dwarf Yellow Lantana...

Grows only eight inches high and always covered with bloom. Fine for bedding.

F. Dorner & Sons Co.
LA FAYETTE, IND.

Mention The Review when you write.

BABY PRIMROSE.



The newest thing for Easter Blooming.

Flowers in thumb pots; grows rapidly, 6-in. pot, carry 50 to 100 sprays of rosy flowers, 12 to 18 in. long; lasts 4 weeks when cut and wholesale at \$2 per 100; grows finely in cool house; perpetual bloomer. 12 for \$1.50, \$10 per 100, express prepaid.

New Fragrant \$1000 CALLA.

Very dwarf and free bloomer, has the fragrance of violets and lilies, \$1 and \$2 per 12, \$6 and \$12 per 100, mailed.

Asparagus Sprengeri. 2-in., 24 for \$1.50, mailed; 3-in., 24 for \$2.50, mailed; \$7 per 100, express.

A. BLANC & CO., Philadelphia.

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Always Mention the....

Florists' Review

When Writing Advertisers.

FOUR GRAND

CARNATIONS...

AMERICA. The largest and most perfect shaped scarlet Carnation produced thus far; producing immense quantities of its soft, scarlet flowers. Of extra robust growth, free in the production of bloom. A good commercial variety. Preliminary certificate A. C. S., at Chicago.

G. H. CRANE. (Dorner.) A long-stemmed bright scarlet, free, profuse, and constant bloomer. It comes into bloom early and yields both quality and quantity; stem long and stiff from the beginning to end of season. Tested three years and proved all right as a commercial variety. Certificate A. C. Society.

MELBA MAY AND CRAIG.

A grand combination of good qualities, free bloomer, early and continuous. In point of color the finest pink Carnation yet produced, large and perfect in form, very fragrant and with a long, stiff stem.

MAUD ADAMS. (Niquet.) Deep clear cerise of a very pleasing shade under any light; most attractive color of its class; a large, bold, handsome flower, with extra strong stem, 18 to 24 inches high; with good calyx and exceedingly free flowering.

Price for above four varieties, \$10.00 per 100, \$75.00 per 1,000.

E. G. HILL & CO.

RICHMOND, IND.

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FELTHOUSEN Wants Room.

Read this and let us hear from you.

Remember, our Geraniums are grown in flats and in soil. Our selection \$1.50 per 100, \$12.00 per 1,000. Mme. Salleron, same price and grown in soil. Rose Geraniums, \$2.00 per 100. Ageratum, blue and white, 60 cents per 100, \$5.00 per 1,000. Fuchsias, standard sorts, \$1.50 per 100, \$12.00 per 1,000. Fever Few, Little Gem, from flats and in soil, \$1.25 per 100, \$10.00 per 1,000. Salvia Splendens and Bedman, \$1.00 per 100. Heliotrope, six varieties, \$1.00 per 100, \$9.00 per 1,000. Vinca Variegata, cuttings, \$1.25 per 100, 4-in. stock, fine, \$8.00 per 100, \$50.00 per 1,000. Coleus, all the best varieties. C. Verschaffeltii and Queen, 75 cents per 100, \$8.00 per 1,000. Coleus, in variety, 60 cts. per 100, \$5.00 per 1,000. The above are Rooted Cuttings, except when noted.

Cash must accompany all orders.

J. B. FELTHOUSEN, Schenectady, N. Y.

Mention The Review when you write.

Brilliant Green and Bronze

Galax Leaves

CHAS. H. RICKSECKER, Linville, Mitchell Co. N. C.

Mention The Review when you write.

ACALYPHAS.

[From advance sheets of the Florists' Manual, by William Scott.]

A genus of tropical shrubs that are grown entirely for the attractiveness of the leaves excepting the very recent introduction, *A. Sanderiana*, which has long, cylindrical, pendulous flowers and is very ornamental. The acalypha is grown largely in Europe as an ornamental stove plant, but with us its chief value is as a summer bedding plant for mixed borders or sub-tropical beds. As most all the species are from the tropical islands of the Pacific, their requirements can be judged accordingly.

The most economical way to produce plants for spring use is to lift a few old plants before any danger of frost. These could be used for decorating till January, then shorten back the shoots, and if the plants are in a strong heat they will soon give you a number of young growths, which root readily in the sand in a good bottom heat and by end of May, if kept warm, will be just what you want for planting out in spring. A well enriched loam is all they want.

There are half a dozen or more desirable species and varieties which give a variety of bronze, brown, green, red, orange and carmine, blotched and variegated, making them very ornamental for summer gardening.

ACASIAS.

[From advance sheets of the Florists' Manual, by William Scott.]

A very large genus of shrubs or trees. Those of most commercial value are from temperate regions, South Australia and New South Wales. Some of the species, armata, for instance, make neat, compact plants for pot culture, while pubescens, one of the most graceful of all, is splendidly adapted for training on a pillar or wall of a light, cool house. A temperature of 45 degrees in winter will suit the commercial species, but their flowering can be hastened several weeks by more heat and at all times an abundance of water. They are most free flowering and the prevailing colors are lemon and yellow. In a temperature of 45 to 50 degrees most of the species flower from February to May. A good loam with a fourth of leaf mould or in the absence of the latter, Jadoo, will grow any of the acacias, but the soil should always be in that condition from proper drainage that water passes freely through it.

They propagate from the half ripened wood in May or June, that is, the shoots made the previous spring. Place the cuttings in pans of sand or leaf mould and sand and place the pans in a cold frame, which spade on hot days and keep close till growth begins. When rooted, pot off and grow on in a cold frame. During the

[Continued page 342.]



Lilium Auratum, 7 to 9 inches, \$4 per 100; 9 to 11 inches, \$6 per 100.
Lily of the Valley, Berlin pips, \$10 per 1000. Case of 2500 for \$23.

ROSES—FIELD CROWN—STRONG TWO YEAR.

Hybrid Perpetual in leading varieties, \$10 per 100. *Crimson Rambler*, \$15 per 100.

For New Geraniums, Carnations, Chrysanthemums, Etc., see our Florist's Price List.

THE STORRS & HARRISON CO., - - PAINESVILLE, OHIO.

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And Still They Come

SOUTH SIDE FLORAL CO., Springfield, Ill.

Gents:—I saw your 50-0 Verbenas, just received by Brittenbaugh Bros. I want 2000 just like them. Please send at once C. O. D. Yours resp'y,
SAMUEL GASS, Allegheny, Pa.

VERBENAS—Strong rooted cuttings, 90 grand varieties, 60c per 100, \$5.00 per 1000; 5000, \$22.00.

PETUNIAS—Dreer's latest set of double fringed, true to name, \$1.00 per 100.

SMILAX—Strong, bushy seedlings, ready for pots, 50c per 100, \$1.00 per 1000. Express prepaid on the preceding stock.

ROSE and CARNATION Cuttings now ready. Clean healthy stock, well rooted, at lowest prices quoted. Send for our lists and save money. Terms cash with order.

SOUTH SIDE FLORAL CO.

SPRINGFIELD, ILL.

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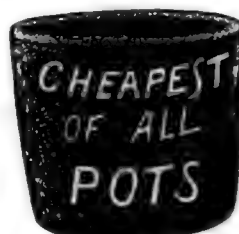
FIRST QUALITY **HARDY CUT FERNS** \$1.00 a 1000

GALAX LEAVES, Bronze, Green or Assorted, \$1.00 per 1000.

LAUREL FESTOONING, \$5.00 per 100 yards. All orders by wire or mail promptly filled.

CROWL FERN CO., 27 Beacon St., BOSTON, MASS.

Mention The Review when you write.



SAVE MONEY!!

by using the Cow Manure Pot. Cuttings stronger and healthier. Young stock starts quicker. No transplanting. Machine for 2 and 3-inch pots, \$5. Directions with each machine. Cash with order

H. ELTZHOLTZ,
Far Rockaway, N. Y.

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AZALEAS FOR EASTER.

We have a large stock of all best commercial varieties in fine shape for immediate shipment. Will pack much better now than later on when the buds are developed.

10 to 12-inch crowns, \$35 per 100; 12 to 13-inch crowns, \$45 per 100; 13 to 15-inch crowns, \$55 per 100.

Asparagus Sprengeri, 2 1/2-inch pots, \$5; 3-inch pots, \$8 per 100. *Asparagus Plumosus*, 2 1/2-inch pots, \$6 per 100.

Canna President Cleveland, the best of all the bright scarlet cannas for massing, \$10 per 100. *Cannas*—an immense stock of all the leading sorts. Let us know your wants and we will quote you bargain prices.

Dahlias, fine assortment of up to date varieties, strong undivided roots, \$7 per 100; \$60 per 1000.

OUR TRADE LIST

MARCH, 1899.

CARNATION CUTTINGS.

	Per 100
ARGYLE, fine dark pink	\$3.00
EVELINA, best paying white	3.00
EMPRESS, dark red	3.00
GOLD NUGGET, Yellow	4.00
PAINTED LADY	2.00
MARY WOOD, white	3.00
PSYCHE, variegated	2.00
FLORA HILL, white	1.50
DAYBREAK, shell pink	1.50
C. A. DANA, light pink	1.50
TRIUMPH, the big pink	2.50
JUBILEE, scarlet	1.50
MAYOR PINGREE, big cream	1.50
ARMAZINDY, variegated	1.50
VICTOR, pink	2.00
JOHN YOUNG	4.00
NEW YORK	4.00
MRS. JAS. DEAN	4.00
MRS. FRANCES JOOST	3.50
Five cuttings at 100 rate.	

PLANTS—Strong, 2 1-4 inch.

	Per 100
NEW COLEUS BROWNII, a good bedder	\$5.00
VELVET PLANT, a big seller	3.00
GERANIUM Mad. Sallerol	2.00
" Ivy mixed	2.00
FEVERFEW, Little Gem	2.00
SOUTHERN THYME	2.00
IKESINE, red and yellow for Canna border	2.00
ABUTILON, choice mixed	2.00
SMILAX	1.00
" from flats	.50
HELIOTROPE, mixed	2.00
BEGONIA, choice mixed	2.00
" Erfordii	2.00
" Sandersonii	2.00
" Hybrida	2.00
MESEMBRYANTHEMUM ERECTUM	3.00
NEW YELLOW MARGUERITE	2.00
CHRYSANTHEMUMS, our selection	2.00
Five plants at 100 rate. Spot Cash.	

MORRIS FLORAL CO., Morris, Ill.

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C. SOLTAU & CO.

199 Grant Ave., Jersey City, N. J.

No more PANSY PLANTS for a month. SEED as usual.

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following winter keep in a cool house and after danger of frost shift into larger pots and plunge outside, where they must be well supplied with water. They should be stopped as soon as they grow in the spring to induce a branching growth. Although their propagation is not difficult, it will be found by the majority of our florists more profitable to import those plants that are wanted for our spring sales, as the price of well grown, compact plants is very low and they endure the passage without the slightest injury. Any plants unsold after flowering should be cut back severely, shifted if needed, and plunged outside during summer. Few insects of any kind, attack the acacia; plenty of water at all times and syringing except when in flower is what they want.

A. pubescens is not adapted for pot culture, but is the most graceful of all the genus, and for cutting as sprays is most valuable. It should be planted out either as a standard or against a pillar or wall. The most valuable species for pot culture for the commercial florist is armata, small globular flowers which cover the whole plant; dealbata, strong grower with handsome yellow racemes; Drummondii, a fine compact plant with drooping, cylindrical lemon colored flowers. There are hundreds of species most all worthy of a place in a conservatory, but the few species mentioned above are the best for commercial use.

LILY GROWING IN BERMUDA.

By B. T. GALLOWAY.

Something over a year ago the writer had an opportunity of making a more or less cursory study of some of the problems connected with the growing of Liliun Harrisii in Bermuda. We were on the island about six weeks, including the latter part of November and the greater part of December. At this time the lilies were from 3 to 6 inches high, and a good opportunity was therefore afforded for studying them in the early stages of growth.

The lily is grown in Bermuda in small patches, or on comparatively small areas. This is made necessary by the nature of the soil and the general formation of the islands. The tillable soil occurs in small areas between the hills, and as a rule is not very rich at the best. It varies in depth, being deep in some places and quite shallow in others. The lily fields are found scattered throughout the islands and range in size from a few square rods to several acres. We visited a number of these plantations and in every instance noted the presence of the lily disease which is so troublesome to forcers of the bulb in this country. Many growers appeared to be laboring under the impression that they did not have the disease, but as soon as its characteristics were point-

[Continued page 343.]



NEW CARNATION GOV. GRIGGS

SEEDLING OF VAN LEEUWEN
ON DAYBREAK.

Strong, healthy grower, free from disease of all kinds, continuous free bloomer with flowers very erect on a stiff stem, 18 to 20 in., flowers similar in color to Daybreak, but much brighter, edge beautifully fimbriated, good shape and with full center, and does not burst, commands the highest prices in New York for novelties. Having been grown by us for the past four years we can with confidence recommend it to the florists of America as one of the best if not the best light pink Carnation ever sent out. Orders are now being booked for rooted cuttings.

Price \$75.00 per 1000, 500 at 1000 rate, \$10.00 per 100, \$2.00 per dozen.

All orders filled strictly in rotation.

Cash with order from unknown correspondents.

A personal inspection invited.

JOSEPH TOWELL, HALEDON AVE. NURSERIES. Paterson, N. J.

Mention Florists' Review when you write.

New Carnations for 1899...

	Per doz.	Per 100	Per 1000		Per doz.	Per 100	Per 1000		Per doz.	Per 100	Per 1000
C. H. Crane...	\$2.00	\$10.00	\$75.00	Mary A. Baker...	\$1.50	\$3.00	\$70.00	Iris Miller	\$2.00	\$10.00	\$75.00
America	2.00	10.00	75.00	Anna C. Eastburn	1.50	8.00	70.00	Elsie Furgeson...	2.00	10.00	75.00
Dorothy Sweet	2.00	10.00	75.00	Gov. Griggs.....	2.00	10.00	75.00	Dr. Tevis.....	2.00	10.00	75.00
Gen'l Gomez	2.00	10.00	75.00	Duke of York.....	2.00	10.00	75.00	Helen Dean.....	2.00	10.00	75.00
Gen'l Maceo.	2.00	10.00	75.00	Liberty	2.00	10.00	75.00	Leslie Paul.....	2.00	10.00	75.00
Glacier	2.00	10.00	75.00	Cardinalis	2.00	10.00	75.00	John Hinkle.....	2.00	10.00	75.00
Melba	2.00	10.00	75.00	Progress	2.00	10.00	75.00	Grace Runyon...	2.00	10.00	75.00
Evanston....	2.00	7.00	60.00	Emiline.....	2.00	10.00	75.00	Harriet Bradford.	2.00	10.00	75.00

Catalogue ready February 10th.

H. WEBER & SONS, = = OAKLAND, MD.

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Herr's Carnations

Three houses of California Novelties from John H. Sievers & Co.

Iris Miller and Elsie Furgeson are entirely novel colors and should be in every grower's collection. Leslie Paul is a rival of and in my estimation better than Maud Adams. Harriet Bradford is a heavily marked fancy, and the four are very free bloomers from October 1st to end of season. There are four others, and all have extra large flowers on long, stiff stems and with perfect calyx.

12 each of the 8 sorts for \$10.00, or 250 for \$18.75

Uncle Walter is a scarlet sport from Tidal Wave, and said by men who have seen the others to be the brightest of them all.

Price \$5.00 per 100, or \$40.00 per 1,000

Twenty-five Standard Sorts at reasonable prices. Send for list.

ALBERT M. HERR,
LANCASTER, PA.

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Always mention the Florists' Review when writing advertisers.

CARNATIONS

Healthy Rooted Cuttings Ready Now.

WHITE CLOUD. EVELINA.
GOLD NUGGET. MRS. JAS. DEAN.
PAINTED LADY. NEW YORK.
BON TON. EMPRESS. PSYCHE.

\$5 per hundred. \$40 per thousand.

FLORA HILL. VICTOR. TRIUMPH.
MAYOR PINGREE. ALBA SUPERBA.

\$3 per hundred. \$25 per thousand.

DAYBREAK. Wm. SCOTT. HECTOR.
JUBILEE. MINNIE COOK.

\$2 per hundred. \$15 per thousand.

ARMAZINDY, \$2.50 per hundred, \$20 per thousand

The greatest scarlet of them all is HECTOR.

Pennrock Co., Box 252 Wilmington, Del.

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HALE'S MOLE TRAP

For destroying ground moles in lawns, parks, gardens and cemeteries. The only PERFECT mole trap in existence. Guaranteed to catch moles where all other traps fail. Sold by Seedsmen, Agricultural Implement and Hardware dealers, or sent by express on receipt of \$2.00, by

H. W. HALE, RIDGEWOOD, N. J.

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ed out they were free to admit that it was present.

Even in the early stages of growth, that is, where the lilies were only 3 to 6 inches high, from 3 to 20 per cent of diseased plants were found. By walking between the rows it was an easy matter for one familiar with the characteristics of the disease to distinguish the affected plants. Numerous examinations of plants were made and in every instance the Eucharis mite was found present in greater or less numbers on the bulbs from which the diseased plants had developed. Very frequently the bulb appeared to be sound on the surface, but by breaking apart the scales discolored spots and partly decayed areas were readily found. In many cases, however, where the disease showed on the leaves there was no evidence of trouble so far as the bulb was concerned. This shows that it is practically impossible to determine from a mere examination of the bulbs whether the plants from them will be free from disease.

The disease being so common early in the season, it is not at all improbable that as growth advanced more cases developed, but on this point we cannot speak positively. The fact that the disease occurs so early, however, and is so readily distinguished points out the importance of adopting some means of eliminating the diseased bulbs with a view of increasing the vigor of the crop as a whole. It would not be a difficult matter for the lily grower to select and mark plants which show the strongest evidence of being healthy. If this plan were adopted and followed out year after year we have no doubt that in a comparatively short time a strain of much more vigorous stock could be obtained. The general practice on the island is not to make any selection, or if made, the work is not done systematically. All bulbs are allowed to grow, and in many instances the best ones are shipped out of the country, while the poorer ones, including scales and refuse, are used for propagation. It is not difficult to see where such a practice will ultimately end, and if adopted by any of our growers of extensive crops in this country they would soon have to go out of the business.

We believe that the future of bulb growing on the islands depends not so much upon methods of applying fungicides, insecticides, etc., as it does upon careful and continued effort in the way of selection of stock. The men who will undertake this intelligently and carry it on for a number of years will unquestionably be able to hold the lead in the matter of furnishing thoroughly first-class pedigree bulbs. In such a case I believe that it would be well for a grower first of all to become familiar with the characteristics of the true lily disease. After he is able to readily distinguish the

[Continued page 344.]

DREER'S SUPERB Double Fringed Petunias.



For thirty-five years we have made a SPECIALTY of the PETUNIA.

This year we again offer a set of fifteen varieties, unsurpassed either in this country or abroad. The plants are well established in three-inch pots, full of vigor and will furnish quantities of cuttings in a short time.

These plants must not be compared in price with rooted cuttings or plants just potted off. The set is composed of the finest colors, especially suited for the retail trade.

\$1.00 per doz., \$8.00 per 100; the set of 15 varieties for \$1.25

Double Fringed Petunia Seed, OUR OWN SAVING, 75c per 500 seeds. \$1.50 per 1,000 seeds.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

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The Royal Tottenham Nurseries, Ltd.,

Late of A. M. C. JONGKINDT CONINCK.

Managing Director, A. M. C. VAN DER ELST.

DEDEMSVAART, nr Zwolle, NETHERLANDS.

RARE AND NEW HARDY PERENNIALS.

Per 100		Per 100	
Anemone Sylvestris, fl. pl., young plants in pots.....	\$ 9.00	Nymphaea Laydekerii purpurata.....	\$290.00
Arnebia Echioides.....	10.00	" rosea.....	180.00
Chrysanthemum max. filiforme.....	7.50	" Aurora, each, \$7.50.....	
Convallaria maj., var. Fortin.....	1.25	" Robinsoniana, each, \$5.00.....	
Crocus Aurea Imperialis.....	11.00	Oreocome Candolli.....	20.00
Helenium Autumnale Superbum.....	6.00	Papaver Orient Silver Queen.....	10.00
Hemerocallis Aurantiaca Major (cultivated).....	27.50	Petasites Jap. Giganteus.....	20.00
Heuchera Alba.....	7.00	Physalis Franchetti.....	2.25
Heris Sempervirens Little Gem.....	8.00	Sagittaria Jap. fl. pl.....	20.00
Incarvillea Delavayi.....	40.00	Spiraea Aruncus var. Kneiffi.....	37.50
" Olga.....	5.00	Viola Odor, Princess of Wales.....	4.00

GUNNERA SCABRA, leaves 6 to 7 ft. across, strong plants, \$15 to \$20 per 100.

ALPINE RHODODENDRONS, strong plants, \$9.00 per 100.

Wholesale catalogue of Hardy Perennials, Conifers, Rare Aquatics, etc., may be had free on application. List of Narcissus in April.

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LIVINGSTON'S TRUE BLUE Tomato Seeds

There are just two qualities of Tomato Seeds, "Livingston's" and "Others." Almost any tomato seed will grow, but "What will the harvest be?" Our specialty is The Best Seeds for the Market Gardener. Send for Catalogue and Gardener's List.

THE LIVINGSTON SEED CO., Seed Growers, Columbus, Ohio.

Mention The Review when you write.

F. & F. NURSERIES, SPRINGFIELD, NEW JERSEY

Wholesale Growers TREES and PLANTS in Full Assortment.TRADE CATALOGUE FREE.

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Fine Perles and Wootons

In 2-in. pots, as well as Beauties, Maids, Brides, Meteors, La France and Kaiserin — now ready. Send 50 cts. or \$1.00 for samples of what you want and prices.

Carnations out of flats ready now. Can furnish Rooted Cuttings of all Roses except La France and Kaiserins. Write GEO. A. KUEHL,

Long Distance Phone 14. PEKIN, ILL.

Mention The Review when you write.

ROSES--ROOTED CUTTINGS....

Brides, Bridesmaid, Meteor and Perles at \$1.75 per 100, \$15.00 per 1,000. Clean, healthy stock. Remember, my Perles are First Prize Winners, and the others always come in for their share at the St. Louis Show.

J. F. AMMANN, Edwardsville, Ill.

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disease he should then adopt a rigid method of selection. It would certainly pay to watch the plants throughout the season and mark such as show the desired characteristics in the way of absence of disease, general vigor, size and number of flowers, etc. The plants so marked should be propagated and given the very best conditions (including new soil whenever practicable) and selections should be made from them the next year in the same way. Of course it would not be practicable at first to plant the entire stock from selected bulbs, but by starting with a small number at first it will be seen that within a few years the pedigree stock will be of sufficient quantity to plant a large area.

We are aware, of course, that there are many difficulties in Bermuda. The soil has been cropped for years and it has not been practicable to keep up the fertility by the use of organic manures. Chemical fertilizers do not give that life to the soil which must be present to obtain the best results. It is probable that some system of green manuring and crop rotation could be adopted which in a few years would greatly increase the agricultural and horticultural possibilities of the islands.—U. S. Department of Agriculture, Washington, D. C.

LOUISVILLE, KY.

We are having a few days of sunshine and trust that it will continue. A visit to the different florists found everything in fine shape.

Jos. Coenen and Bohrmann intend building 2 more houses this summer for carnations. They have an exceedingly fine lot of azaleas and cyclamens in bloom. They report trade very good.

Henry Fuchs has a house of Brides and Maids which are in fine condition and will yield him a fine crop for Easter. His carnations are unusually fine. Adam Heitz's carnations are strictly first class. He will also have a fine crop of roses for Easter.

Wm. Mann holds the palm for calla lilies and carnations; the latter are grand. Wm. Walker has a fine lot of palms and his stock of roses, carnations and violets are in first class condition. H. LICHTFELD.

RUSSELL, KY.—Mr. James C. Bingham, florist and nurseryman, died at his home February 16, aged 56 years. He was prominent in the affairs of his community and took an active part in the Civil war. He leaves a wife and eight children.

THE BOOKLET, "Rosebank and Its Orchids," sent out by W. A. McFadden, is certainly a work of art, the useful information, fine illustrations, etc., making it unusually attractive.

Always Mention the....

Florists' Review

When Writing Advertisers.

ROOTED CUTTINGS ROSES AND CARNATIONS.

ROSES.

Meteor	100	1000
Bridesmaid	\$1.50	\$12.50
	1.50	12.50

Bride	100	1000
	1.50	12.50

CARNATIONS.

PINK.	100	1000
Triumph	\$1.50	\$12.50
Wm. Scott	1.00	7.50
Painted Lady	4.00	35.00
Daybreak	1.50	12.50
Argyle	4.00	35.00
Mrs. Frances Joost	5.00	50.00
McBurney	1.50	12.50

RED.		
Dazzle	4.00	35.00
Jubilee	2.00	17.50
Bon Ton	4.00	35.00

MAROON.		
Empress	4.00	35.00

WHITE.	100	1000
Flora Hill	1.50	12.50
Mary Wood	5.00	40.00

The largest and best White Carnation that is grown. Has a strong stiff stem and a constant bloomer. Sell in the market today for nearly double any other White Carnation we handle.

Evelina	4.00	35.00
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VARIEGATED—White and Red.

Psyche	4.00	35.00
Armazindy	2.00	17.50

YELLOW.

Mayor Pingree	2.00	17.50
Gold Nugget	6.00	50.00

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Long Distance Phone Main 223

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WM. MURPHY, Station F, CINCINNATI, OHIO.

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150,000 R. C. of other varieties to select from. Send for my price list and state your wants for an estimate.

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Send for Price List.

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CARNATIONS. ROOTED CUTTINGS.

Fine Stock, Grown Cool and Rooted Slow.

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Jubilee and Triumph, the best red and pink, rooted, strong and clean, \$1.40 per 100 not rooted, strong and clean75 "

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CASH WITH ORDER.

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ST. GLAIR GO. CARNATIONS....

ROOTED CUTTINGS. NO DISEASE.

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A. G. FEHR, Belleville, Ill.

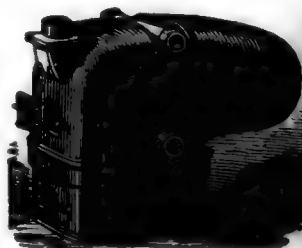
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Has with me during Dec., Jan. and so far in Feb., out-yielded S. Spray by nearly one-third. Seems to be a continuous bloomer; pure white, 2½-in.; no culls; does not split; does equally well in light or heavy soil. Have not lost a plant out of 1600 planted, nor seen a single case of stem rot. A strong grower. A few thousand to spare at the low price of \$3.50 per 100, \$30 per 1,000. Marie Louise Violets, Rooted Runners, 50c per 100. French Cannas, mixed, mostly Yellow, Dormant, \$3 per 100.

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From 2 1/2-inch Pots. Fine Stock, ready for shifting into larger size.

Purchaser's selection, \$2.50 per 100, \$20.00 per 1000.

All the leading standard varieties and recent introductions, such as:

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SINGLES—Mme. Bruant, Madonna, Peach Blossom, Mme. C. Molin, W. A. Chalfant, J. R. Lowell, Gettysburgh, Crimson Bedder, Mrs. J. M. Gaar, Mar. de Layre, and many others.

CARNATIONS

in fine condition, ready now—from sand and soil.

AMERICA, G. H. CRANE, 2 grand Scarlets, introductions for 1899. \$2.00 per doz., \$10.00 per 100.

	Per 100	Per 1000		Per 100	Per 1000		Per 100	Per 1000
Jubilee	\$2.50	\$20.00	Argyle	\$1.00	\$35.00	Mrs. McBurney	\$2.50	\$20.00
Bon Ton	4.00	35.00	Mrs. Bradt	5.00	40.00	Evelina	4.00	35.00
Empress	4.00	35.00	Gold Nugget	5.00	40.00	Mayor Pingree	2.50	20.00
						White Cloud	\$1.00	\$35.00
						Flora Hill	2.00	15.00
						Jack Frost	4.00	35.00
						Albertini	2.50	20.00

We are still selling that Grand New Fern, **Nephrolepis Cordata Compacta.** Every florist should grow some of this Fern. It is a quick seller, and will give the best of satisfaction to your retail customers.
 Price, 2 1/2-in. pots, 75c per doz., \$6.00 per 100; 3-in. pots, \$1.25 per doz., \$7.50 per 100; 4-in. pots, \$2.00 per doz., \$15.00 per 100.
 Send in your order at once, while stock is in fine condition. **Terms**—Cash with order. Address

H. W. BUCKBEE, FOREST CITY GREENHOUSES, Lock Box 911, ROCKFORD, ILL.
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TELEGRAPH CODE.

In telegraphing orders to any of the wholesale dealers in cut flowers use the following code:

Assume—Do not answer if cannot fill order.
Abrogate—In case you cannot fill order, telegraph at once.
Anticipate—Answer at once, stating whether you can or cannot fill order.
Ambition—If you can only partially fill order, do so, and reply, stating what.
Admiral—Order must be sent on train mentioned only.
Ambulance—Want all of order filled or none, and prompt answer back.
Adjacent—If cannot send on train mentioned, next one will do.
Affable—Send prepaid by baggage master, if no express messenger on train.
Decorate—If cannot send all on train mentioned, send all you can, and send balance on next train.
Admission—This order is a substitute for my regular order.
Dancing—If cannot fill order exactly as specified, you may substitute according to your best judgment.
Ancestor—This order is an addition to my regular order.
Durable—Colored flowers must not be substituted for white.
Affection—Fill if possible, even at extra expense.
Fabricate—Flowers ordered are to be re-shipped to a distance, therefore buds must be cut specially close.
Fortunate—Select extra stock and charge accordingly.
Devotion—For cheap work, and can use second-class flowers, if at reduced price.
Flattery—If price has advanced since last quotation, do not send goods, but telegraph.
Forgery—This order countermands all previous orders.
Formation—Add these items to the order which you already have, but in case first order is already shipped, cancel this addition.
Flamingo—We are in a bad pinch; send us something to help us out, even if of poor quality.
Flocking—Have sent mail order; if not yet received, send following at once, and cancel mail order when received.
Foraging—This order includes all items previously ordered and wanted for this date.
Superior—Can use something especially fine, and am willing to pay accordingly.
Skip—If you are out, buy the best you can; we accept risk of getting "pickled" stock.
Corporal—If cannot send on night train, morning train will do.

THE CODE BELOW WILL BE USED IN ANSWERING YOU, WHEN NECESSARY.

Elope—Cannot fill your order to-day. Stock is scarce. Have tried to buy at other houses for you.
Lecture—Our store was closed yesterday when your telegram came. Received it this morning. Will ship by first train to-day, unless countermanded at once.
Willing—Cannot ship on train mentioned. Will send on next train possible to-day.
Eclipse—Will send part of your order. Balance scarce. Cannot get it at any price to-day.
Artistic—Cannot fill order to-day, if you want order filled (same order) to-morrow, wire us at once.
Favorite—Stock very poor, none better to be had. Will ship unless countermanded by..... o'clock.
Fundament—Stock named in this telegram has been sent, and balance, unless countermanded by telegram, will be sent on.....

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EDWARD B. JACKSON,

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The American Jadoo Co.

Gentlemen:—You will doubtless remember that some time ago you sent us for trial, samples of Jadoo Fibre. We have used what you sent us without mixing with soil, and find it satisfactory in every respect. We never saw such phenomenal root growth, especially in begonias, and everything else we have tried it on the results have been equally good. We find the following benefits:—less watering, stronger growth, freedom from weeds and lightness. The latter we consider a very important item, as it means a considerable saving in expressage to our customers. We expect to use this entirely for pot grown herbaceous plants this spring, and as we grow about fifty thousand of these, you can look for our order some time during the following month.

Very truly,
 (Signed) EDWARD B. JACKSON.

Send for our new catalogues.

THE AMERICAN JADOO CO.

817 Fairmount Ave.

PHILADELPHIA, PA.

ALL PROMINENT seedsmen and dealers sell Jadoo Fibre and Jadoo Liquid.

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10 to 12-in., \$3.50 per doz. 14 to 16-in., \$7.00 per doz.
PANSIES, fine bushy plants, transplanted in cold frames, 60c per 100, \$4.00 per 1000.
GERANIUMS, S. A. Nutt, La Favorite, E. G. Hill, Gen. Grant and others, 2 1/2-in., \$1.75 per 100, \$15 per 1000. Farquhar Violet Runners, \$8 per 1000.

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Alternanthera, red and yellow, \$1.00 per 100, \$8.50 per 1000.
 Pileas or Artillery Plant, 60c per 100, \$5.00 per 1000.
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 Box 82. Augusta, Ky.

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AGERATUM, blue and white dwarf, Per 100 2-in. pots.....\$2.00
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GIANT PEARL MARGUERITE, 2-in. pots.....2.00
RUDBECKIA, 3 1/2-in. pots.....4.00
STATICE ARMERIA, 3 1/2-in. pots.....3.00
BEGONIAS, 6 varieties, 2-in. pots.....2.00
ACHILLEA, the Pearl, 2-in. pots.....2.00

Enough extras added to more than pay expressage. **Cash, please.**

EDWARD B. JACKSON, Stamford, Conn.
 Mention The Review when you write.

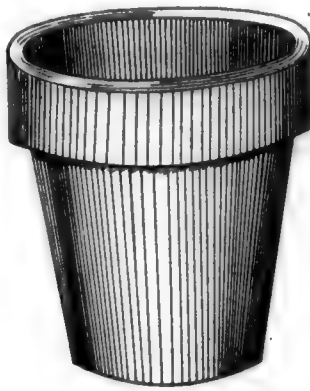
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ST. PAUL, MINN.—The Minn. State Hort. Society has offered a \$1,000 prize for the production of a seedling apple tree as hardy and prolific as the Duchess, with fruit equal to the Wealthy in size, quality and appearance, and that will keep as well as the Malinda.

WEST CHESTER, PA.—John McVey met with a \$2,000 loss on the 15th inst., six of his greenhouses being crushed in by the snow. His stock was entirely destroyed.

MOUNT VERNON, N. Y.—Matthew Dummett, who recently shot himself died after living five days with a bullet in his brain.



Red Flower Pots.

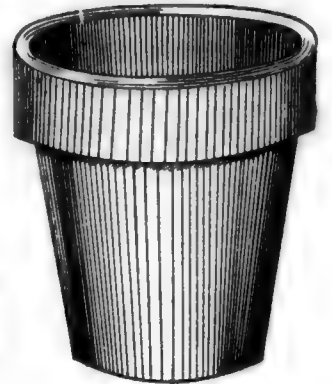
OUR OWN MAKE.

These pots do not turn green and become slimy as white pots do.

They being at all times clean, promote a healthy growth to your plants, and prevent spreading of disease and vermin.

To introduce these red pots we will place them on the market at the following rates:

	Per 1000	Per 500		Per 1000	Per 500
2 inch	\$3.00	\$1.75	4 inch	\$7.00	\$3.75
2 1/2 "	3.50	2.00	5 "	12.00	6.50
3 "	4.50	2.50	6 "	18.00	9.50
3 1/2 "	5.50	3.00			



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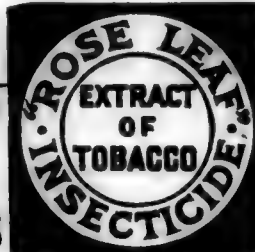
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Send Free Catalogue

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Batavia, Ill., March 10, 1890.

Messrs. Kroeschell Bros. Co.,

29 to 59 Erie St., Chicago, Ill.

Gentlemen:—In reply to yours of the 8th inst., it gives us pleasure to say that the boiler put in by you last fall, or rather the fall of 1889, has given the best of satisfaction, and is apparently as good as new after two winters' service.

Very truly yours,

BELLEVUE PLACE CO.

Batavia, Ill.

South Bend, Ind., March 12, 1890.

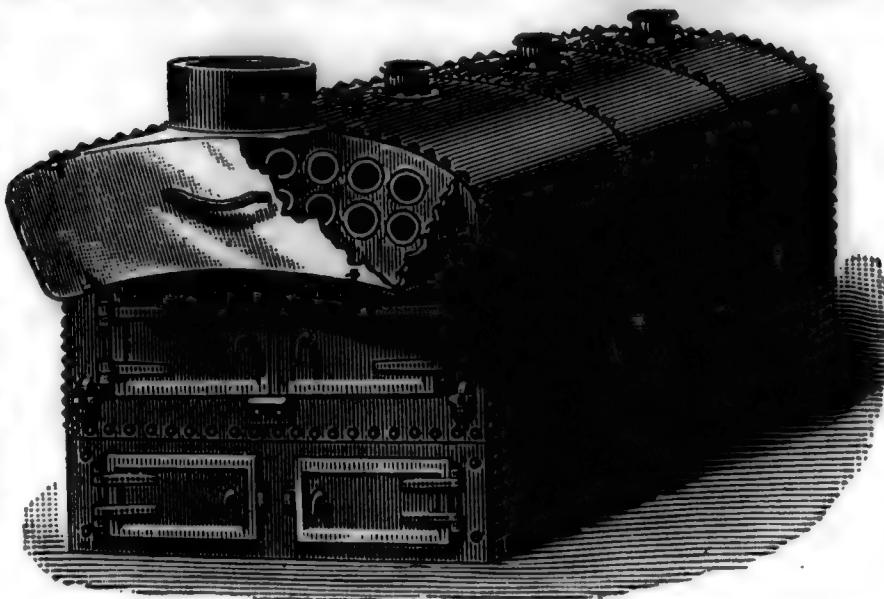
Kroeschell Bros. Co., Chicago, Ill.

Gentlemen:—Yours dated March the 10th, duly received and contents noted. In reply, will state the boiler has given perfect satisfaction in every respect, and am greatly pleased with it. It is very economical in the use of coal, and very satisfactory.

Yours truly,

WILLIAM T. RETTIC,

Per C. M. T.



Chicago, March 18, 1890.

Messrs. Kroeschell Bros. Co., City.

Dear Sirs:—In reply to your inquiry, we must say that we are satisfied with your boiler. It works well and saves us considerable coal. Our saving on coal this winter, we guess, will amount to one-fourth of what the boiler cost us.

Yours truly, DAMM BROS.

Kenosha, Wis., March 18, 1890.

Kroeschell Bros. Co., Chicago.

Gents:—Yours of the 10th inst. received, and contents noted, and in reply I must say that I am perfectly satisfied with the boiler I got from you last season. I am satisfied there is a saving of fuel, but just how much I am unable to say; and just while I am writing to you I would like to find out how much would a No. 8 boiler cost f. o. b. cars Chicago?

Respectfully yours,

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Improved Greenhouse Boiler.

29 to 59 Erie St.

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IN JUST THE WAY
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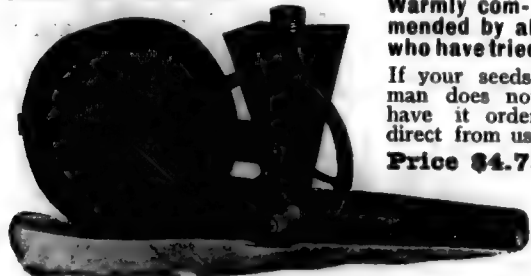
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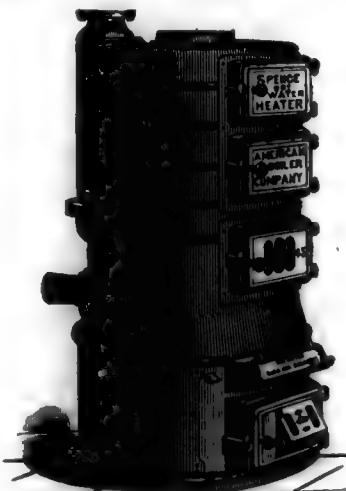
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THE FLORISTS' REVIEW

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FLORISTS' PUBLISHING CO., 520-535 Caxton Building, CHICAGO.

Vol. III.

CHICAGO AND NEW YORK, MARCH 9, 1899.

No. 67.

PLANT NOTES.

We recently took a walk—and it was a long one—through the immense greenhouse establishment of H. A. Dreer, of Riverton, N. J., and secured from Mr. J. D. Eisele, the genial superintendent, the material for the following notes:

Palms.

Palms are a leading feature at this place and the stock is one of the largest in the world. Mr. Eisele notes a

have been disturbed in packing, it should when received be placed in a slightly higher temperature (say 70 degrees) than it had previously been growing in, or where sharp bottom heat can be given till new root action has begun. Where bottom heat is given the pots should be plunged in any loose material; ashes will answer.

He grows his latanias in winter in a temperature of 50 to 55 degrees, but the kentias, cocos and arecas have 60 to 65 degrees, and when the arecas are

reverse effect is secured by giving them more air than the latanias. The latanias make their growth during the summer, and any forcing of growth during the winter is always at the expense of the plant.

He keeps fire under the boilers all summer long, and gives heat on all cool nights and during wet weather, with ventilators open to keep the air changing. The expense is slight and the beneficial results very marked.

The first shading for the season has recently been put on the glass. The ventilator openings are all covered with the fibre cloth. This interferes but little with the passage of the air and prevents the plants from being burned by the sun when the spaces are not covered by the shaded ventilators. It also keeps out grasshoppers, which would some way manage to get into the houses in summer till the ventilator spaces were covered as described.

The young plants of *Cocos Weddelliana* are allowed to grow to a good size in the seed pans, the seedlings being generally a full year old before being potted. They are then generally placed at once in a 3-inch pot. The cocos makes a thick root that is apt to be broken if handled too young and crowded into too small a pot.

Ferns.

A fern that Mr. Eisele believes will be very extensively grown as a specimen pot plant is *Polypodium aureum*, a coarse leaved fern but one that makes a very handsome specimen in a 5 or 6-inch pot for room decoration. It is grown in immense quantities for sale in the Covent Garden Market, London, its fine glaucous blue color making it popular. It is a quick grower, and 2-inch pot plants can be grown into fine specimens in a 5 or 6-inch pot in six to eight months. The European growers often plant three or four small plants in a 4-inch pot to make a bushy specimen.



Cibotium Scheidei.

continually increasing call for the Kentias, both *Forsteriana* and *Belmoreana*, and less demand for arecas, owing to their tenderness and liability to injury in transit to the purchaser and afterward. Customers often report damage to arecas when kentias shipped in the same package arrive in good shape. Where the roots of the areca

repotted in winter they are given a temperature 5 degrees higher till the formation of new roots is started.

The reason for giving kentias the higher temperature in winter is that this is their natural season of growth. They make more growth from October to February than during all the rest of the year. During summer the

Polypodium aureum areolatum is a variety of the preceding and similar to it except that it is a dwarfer grower and with somewhat smaller fronds. It also is very popular as a market plant abroad and preference is often given it as a house plant on account of its dwarfer growth. Both of these are old ferns, but little known and appreciated here.

Tree ferns are not generally of any commercial value, but Mr. Eisele has found a very desirable thing in *Cibotium Schiedei*. Though it appears soft it has been found to stand exceedingly well in decorations and the large fronds are remarkably handsome. It also possesses the desirable characteristic of growing into a good sized specimen in a short time, a two-year-old plant in a 7-inch pot being two feet high, with a spread of three feet and with ten to twelve fronds. Some of the Philadelphia florists have purchased plants merely to cut the large fronds off for use in decorating.

Cyrtomium falcatum is coming more and more into use as a trade fern and has an excellent reputation as a good keeper under adverse conditions. It is often called the Holly fern.

Microlepia hirta cristata has a soft appearance, but it stands well as a house plant and is gaining in popularity.

Polystichum coreaceum would be one of the most desirable of commercial ferns for all purposes if we could only get stock enough.

Pteris cretica magnifica is the leading trade fern with the English growers aside from *Adiantum cuneatum*.

All the ferns above named are sold principally as specimen plants for house decoration.

Among new ferns Mr. Eisele believes *Pteris serrulata voluta* will be found very useful. The curled appearance of the pinnae makes it very noticeable and this is enhanced by the tips being crested.

Adiantum Charlottae is also a very promising new sort. The pinnae are between *cuneatum* and *gracillimum* in size, the pinnae being peculiarly cut, giving it the grace of *gracillimum*, while it has the long stem and hardy foliage of *cuneatum*. He first saw it at the Hamburg exhibition, and believes that when it becomes plentiful it will to a great extent take the place of *cuneatum* for cutting.

Pteris Drinkwateri is not a prohibition fern, as might be imagined from the name, but is a promising sort for growing into good sized specimens. It is similar to *Pteris Ouwardi* but with broader, heavier and darker pinnae.

Mr. Eisele thinks that florists restrict their list of ferns for jardinières to too small a number, and that greater variety would be an advantage from every point of view. He named the following sorts as all being adapted to the purpose and giving an attractive variety in foliage: *Adiantum pu-*

bescens, *Adiantum rhodophyllum*, *Asplenium Belangeri*, *Cyrtomium falcatum*, *Cyrtomium caryotidium*, *Davallia stricta*, *Lastrea aristata variegata*, *Lastrea chrysoloba*, *Lastrea opaca*, *Nephrolepis hertipes*, *Onychium japonicum*, *Platyloma falcata*, *Pteris adiantoides*, *Pteris cretica albo-lineata*, *Pteris cretica magnifica*, *Pteris cretica Mayii*, *Pteris Victorlae*, *Pteris leptophylla*, *Pteris palmata*, *Pteris serrulata*, *Pteris internata*, *Pteris serrulata cristata*, *Pteris Sieboldii*, *Pteris Ourardi*, *Pteris Wimsetti*.

He grows all his ferns in a temperature of about 60 degrees, even *Adiantum Farleyense*, and find that all the commercial sorts do well in any good rose soil that is open and not too clayey.

Quite a lot of ferns are grown in pots suspended by wire hangers. This allows air and light all around and results in a very shapely plant as well as economizing room, but the watering has to be carefully attended to, as they dry out quickly. In one case a half-inch pipe was suspended from the rafters with stout wire loops and the ferns were hung to this, enabling the plants to be moved just as far apart as desired.

Dracaenas.

Dracaenas Lindenii and *Massangeana* seem to be steadily growing in favor, the demand for good plants considerably exceeding the supply. They are somewhat erratic as to coloring. The call for *D. fragrans* has been spasmodic, being good one season and light the next.

Dracaena gracilis or *marginata* is a pretty, narrow leaved variety that is becoming a favorite for use in the center of fern dishes. It is somewhat suggestive of *Pandanus utilis*, but the leaves are not recurved and they have a narrow margin of bronzy crimson. The plant is very graceful.

Mr. Eisele believes that the principal value of *Dracaena Sanderiana* will be in small plants as centers of fern dishes, and that when it can be produced so as to sell at a price equal to that of a *cocos* of same height it will become popular on account of the variegated foliage.

Although when in a small state *Dracaena Godseffiana* reminds one of an *aucuba*, when it becomes a plant of good size in a 7 or 8-inch pot it makes a good specimen with an individuality of its own and its hardiness as a house plant will make it very useful. It is much tougher than *Sanderiana*, comparing favorably with *ficus* and *aspidistra*.

He believes there is still a place for *Dracaena terminalis*. Great quantities were sold in the eastern cities during the last holidays at good prices, well colored plants in 6-inch pots wholesaling at \$1.00 each.

Among high colored varieties *Lord Wolsley* is undoubtedly the best yet offered. The foliage is narrower, lon-

ger and more graceful than that of *terminalis*, while the coloring is much superior and more constant, showing well in a small plant and holding it through all stages of growth. And while it is a faster and more healthy grower it is just as tough as *terminalis*. It cannot yet be had in quantity, as canes from which to propagate can as yet be obtained only in limited quantities.

The *dracaena* canes from which cuttings are secured for propagating are here cut into lengths only six to eight inches long before being placed in the bench. Mr. Eisele finds that the eyes always start first at the upper end of the cane and by cutting into short lengths he has more upper ends to start quick. Cutting any shorter would probably weaken the canes too much.

Miscellaneous.

A bench of *Begonia Gloire de Lorraine* in 4-inch pots was a gorgeous sight, the plants being literally a mass of bloom. It is certainly the grandest introduction among winter flowering begonias. It blooms so profusely that cuttings for propagating cannot be secured till April, when it makes shoots from the base of the plant. The 4-inch pot plants noted were propagated last June or July. This is a begonia that no florist can afford to be without.

Mr. Eisele notes an increasing call for *Rex* begonias and there are indications that the public is again taking interest in them. We noticed a number of new varieties of which *Lucy Closson* is one of the parents and in which the rich coloring of that variety prominently appears.

Primula obconica grandiflora is a most decided acquisition. The flowers are six to eight times the size of those of the type and are borne in large trusses distributed over the plant much like those of a geranium. It should make an excellent market plant. It is grown from seed the same as the type and seed can be had now.

While fully as many *araucarias* are sold as formerly fewer go to the large cities and more to the smaller places. *Robusta compacta* is a broader growing and in some ways a handsomer plant than *excelsa*.

Ardisias are grown, but Mr. Eisele does not find them profitable, as it takes too long to grow them to a suitable size. It seems to be steadily growing in favor as a Christmas plant.

Cannas are being started in quantity by being spread very thickly over a bench on ashes and with a light sprinkling of sphagnum moss over them. They are, of course, potted as soon as roots start.

Rubbers maintain their popularity very well, but prices have dropped to a point where he is about prepared to let some one else produce them.

They have their own box factory, with all suitable machinery, and find this very convenient, so many cases

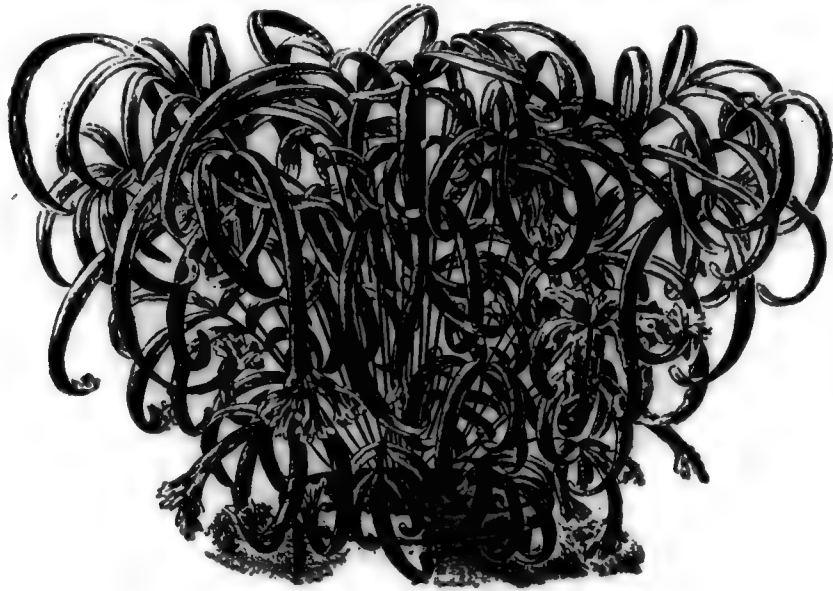
of odd size and form being required for plant shipments.

Wm. Tricker has his aquatics in good shape for the season. A *Nymphaea pulcherrima* seen in the aquatic house has never been without bloom, either summer or winter, for the past three years. Canes of a new variety of *Arundo donax* were floating in one of the tanks and growths were starting from the joints. These will furnish cuttings just as the canes of *dracaenas* do.

They will this summer tear down 10,000 feet of old glass and erect 40,000 feet of new glass. The new range

Some years ago we had a few thousand Yellow Prince that were so bad that they came blind even up to the month of April. A weak or poorly ripened bulb will flower better if it flowers at all towards spring than if forced in January.

This year I have no complaint. The varieties forced into flower up to date are: Chrysolora, Yellow Prince, Waterloo, Vermillion Brilliant, La Reine and Rose Griseldin, and they are all good. Looking over some flats of La Reine and Yellow Prince this morning I counted 72 and 66 flowers, respectively, just the number of bulbs planted.



Pteris Serrulata Voluta.

will consist of nine houses, each 21x150, and a corridor house 21x200. All will be fitted with the Evans Challenge ventilators.

A big battery of boilers in the midst of the plant is covered with a greenhouse roof. This not only gives abundance of light, but no shade is cast on the adjoining greenhouses, as would be the case were the usual construction followed.

TROUBLE WITH DUTCH BULBS.

I have been requested to give my opinion on the poor quality of the hyacinths and tulips with which many people have been supplied for this winter's forcing. When first we began to force tulips some twenty years ago, our earliest efforts with the mid-winter lots were not uniformly successful, for we were not thoroughly posted on the best methods, but, to use a little slang, we soon "caught on" and for many years did not know what failure was. Now when we follow the same methods and force our bulbs year after year under the same conditions and 50 per cent. of our tulips come blind or crippled up and useless, we are entirely justified in saying "it is not our fault, the bulbs are to blame." Last year our La Reine was a great disappointment, as many as 75 per cent. being blind or useless.

While I may be thankful that I have no cause of complaint, it is a fact that a good many poor bulbs were sent to this country last fall, and a neighbor of mine tells me he does not get 25 per cent. of good flowers. We were not told by the traveling agents that tulips would be poor in quality, but we heard a good deal about the failure of the hyacinths, and if they are turning out unsatisfactorily it is no more than we might expect. Those flowering with me are fair in quality.

It is expected, perhaps, that I should say something about the cause of the bulbs being poor or giving such poor results. We think the trouble is just climate. I gleaned from an early arrival from Holland a few days ago that they are having a very mild and open winter, as is nearly all Europe. Three weeks ago roses were blooming in English gardens. Holland expects what we call a steady winter, not so severe as a Canadian, but plenty of ice for good skating. They are not having it this year, and I believe had a mild time last winter. Now with a warm February the bulbs begin to grow, flowering time approaches and the young bulb is being formed which is to give us a flower next year. When the bulb is in its most critical state, its most important time of development, down comes a hard freeze and the bulb, which is in an active state of

growth, must and does suffer, and that is in my opinion the cause of the many failures. I know of no remedy and the appearance of the bulb is no guide except in size, and varieties differ greatly in size, and I have noticed that it is not always the largest sample of bulbs of any one variety that gives the finest flowers. Why all the tulips or hyacinths were not bad can be accounted for in several ways. A much harder frost may visit one locality than another, texture of soil, etc.

These failures are very annoying and very costly. Our largest grower here boxed 50,000 La Reine in the fall of 1887. There was a clean loss of half of them. Now that was a great loss; it was not the trifling cost of the bulbs, but labor, space, fuel, etc., had been expended just the same as if they had been perfect. They could have all been sold at least for \$3.00 per hundred, so at that rate, estimating 25,000 a failure, there was a clean loss of \$750 besides cost of bulbs and expense of growing. The Holland growers can't help this, but when they are assured that the fault lies with the bulb, not the grower, they should make a liberal allowance, for to the florist the loss is serious.

WILLIAM SCOTT.

ROSE HOUSES AND VIOLET PIT.

"North West" sends a lengthy communication, which in substance is this: He wants to build two $\frac{3}{4}$ -span rose houses with two 6-foot bench walks against back and front wall and in center. He also thinks of building a violet pit on the south side of each house. "North West" lives so far north that he says equal span houses are no use in his climate, being covered with snow and ice while the $\frac{3}{4}$ -span are clear.

In the above there is one serious omission. "North West" should have said whether his $\frac{3}{4}$ -span was to have the long slope to the south or the reverse. We think though he means the regulation long slope to the south. If so then it is not at all adapted for his proposed plan of benches. In the regular $\frac{3}{4}$ -span where the front wall is 4 feet 6 inches high and the back wall 8 or 9 feet, the front bench is usually the ordinary height from the floor, say two feet, the middle bench or benches raised another foot or more, and the back or north bench perhaps 6 feet from the ground. A $\frac{3}{4}$ -span is useless unless you raise your benches up to the light. A short slope to the south, which many of our best growers have adopted, particularly the famous growers of Ontario, is exactly suited for the arrangement of benches and walks desired by our correspondent. The south and north wall are both the same height, say 5 feet; 19 feet is a good width; a walk in the center and one against each wall. It gives you a grand place to hang your pipes on the walls. I am only pointing out the advantages of this style of house. I do

not say it is the best, because I believe a very slight departure from the equal span is the best of all.

I don't approve of the violet house tacked on to the front of rose houses. I have precisely such a structure with a path dug out against the rose house wall to give me head room. I built it for violets, but long since abandoned it and now use it to keep hardy shrubs till forcing time. In very severe weather it is awkward to get at and is

a great place for the lodgment of snow. Be persuaded and build your violet house independently. An equal span with the ridge running east and west and a good steep pitch will do well in your severe climate. Use solid beds by all means and either have the means of removing the glass in the summer months or an abundance of ventilation, not forgetting plenty of it in the side walls.

WILLIAM SCOTT.

MISCELLANEOUS SEASONABLE HINTS.

Carnations for Borders.

If your trade demands a few hundred carnations for your customers' flower borders and you propagated them in November as advised in these columns they should now go into a 3 or 3½-inch pot and be given the lightest, airiest bench you have. With a previous pinching they will in two months' time be excellent plants for the border and without any further stopping give flowers in June and from that on till the frosts of winter stop them. Our customers appreciate these plants very much, for to go into their own garden and pick their own boutonniere is gratifying. Never mind what it costs them, they grew the flowers and that is enough.

Propagating.

At this time when you are well filled up with Easter stuff and can do little shifting for want of time you should make use of every spare inch of propagating facility. After this month propagating even of the simplest and easiest increased plants is not done with the ease and certainty that it is during the cold months of winter. The reasons are well known; briefly they are as follows: In cold winter weather the temperature of your house is more uniform and seldom excessive, while with constant fire heat the sand of your propagating bed is warm. This is the ideal condition for propagating most of our soft wooded plants. Soon the reverse will be the case. Our bright suns will raise the temperature of the house and without the necessity of firing the sand will be comparatively cool. There will be more danger of neglect in watering, shading, airing and other cares that want our watchfulness. Somewhere, not in the remote past, but where I am not sure, I saw written as advice to brother

florists that a newspaper after all was good enough for shading cuttings. This I beg to differ with. Up to March first very little shading is needed for the propagating bed even if the sun has full play on the bed, but from now on I consider the newspaper a very crude method and in high temperature very conducive to the fungus which carries off so many cuttings if it once gets a foothold in the sand. Cheese cloth tacked to the roof so that it shades the bed after eight in the morning and till five in the afternoon I consider infinitely better than newspaper. The cloth is only subdued light anyway; it is not opaque like a paper; once on it will not blow off or be forgotten, and cannot possibly do the cuttings the slightest harm up to the time of their being rooted. So now is the time, not only to put in all you can of such bedding plants as coleus, achyranthes, acalyphas, salvia, ageratum, lemon verbena, etc., but put in a big lot of chrysanthemums. Flowering begonias of all kinds root well now rather better than they do earlier. We are never afraid of having too many ivy geraniums, and if your older plants will give a cutting or two it is not too late to make use of plants. With me tea roses root this month with the greatest certainty.

Pansies and Violets.

If you have any frames of pansies intended for early use for vases, etc., look sharply out for ventilation. They are easily spoilt with a few warm days and with the frame kept close they will draw up spindling plants and be useless. The same can be said about violets. The writer has 30 sashes of Marie Louise which he believes will give better flowers in April and May than those which have flowered all winter, but they won't unless ventilation is closely watched. Whenever

the outside temperature goes above the freezing point, or even when it's below, but when the sun is shining brightly, air should be given. Not only will these cold frames give fine blooms but they will be fine stock to propagate from, for no kind of disease will ever trouble these plants in a cold frame. Propagation from the violet houses should now be going on; there is no better time if your plants are making a healthy growth. We were told by a good violet grower, slightly in contradiction to what I had said about runners, that "division of the old plant was just as good." It may have been with him, but I shall stick to the runners. Not the long thread-like growth that shows no sign of making either a bud or a root but the short-jointed leafy runner which you can see is ready to root at the first opportunity; that is the runner. No need of putting them in the sand; planted in 2 or 2½ inches of good soil and kept shady for a couple of weeks is just as well. It is well to have a good surplus over your needs for they don't all take hold, and remember if a young violet plant gets a hard stem with but a few stunted roots it should never be planted for a future crop. It will exist but will always be a runt and a disappointment.

Seeds.

The middle of this month will be a seed sowing time with many of our summer flowers; asters, stocks, zinnias, China pinks, Phlox Drummondii and more of our so-called hardy annuals. You may not grow them but if you do sow along about the 15th. Don't fill the pot or flat with dry soil covering the seeds lightly and then expect to give water enough on the surface to thoroughly saturate all the soil. If you do you will doubtless wash many of the seeds to one corner and a very uneven, unsatisfactory come-up will be the result. Fill the flats or pans to the required depth pressing down the surface smooth and even and then give a good watering. When the water has soaked in sow the seed, press the seed lightly into the moist soil and then cover with a fine sieve.

There have been many things said and written about covering seed and some seeds are so small and fine that to attempt to cover them at all is dangerous, petunia and calceolaria for instance, but for any seeds the size of asters or pansies a good rule is to cover them just enough to be out of sight. After pressing the top covering very lightly the slightest sprinkling of water is sufficient and there is no fear of washing the seed out of place. Whatever the difference of opinion may be as to the merits of Jadoo as a compost for growing plants, I have found it an excellent material when sifted to form one half the compost for seed pans and the ideal stuff to use as a covering, keeping the

germinating seeds at a more uniform moisture than any mixture of soil.

Crimson Rambler.

I bought some of these last November from the nursery field, excellent in quality in every way and now some of them will be in fine flower at Easter while perhaps 30 per cent are only just breaking. They were brought into the house about New Year's. While this is by no means a failure all round it is not the way to do it, and the reason for these comments is this: To be entirely successful with this fine rose they should be grown the previous summer in pots and then forcing them is no more than forcing out the flowers of

a deutzia. Now, I noticed this morning that with those that failed to break all over the canes that they are just making a number of strong shoots just above where they are budded onto the stock. If the canes are cut back to these strong breaks, four or five of the strongest selected and kept growing and then properly ripened off in the fall they will make the best of material for forcing the following winter. That is how to do it; do not expect a plant with so much top to force within a few months after being ruthlessly dug from the field; and this applies to all roses, particularly hybrid perpetuals.

WILLIAM SCOTT.

8 grams of phosphoric acid, in the form of dissolved bone black; 12 grams were furnished each of the other two plots, 35 grams of potash, in the form of muriate, were added to each of five plots, while the quantity was increased to 45 grams in two plots and 60 grams in the remaining plot. Each of four of these plots received 25 grams of nitrogen, in the form of nitrate of soda, while the remaining plots were given 20, 30 and 40 grams respectively. Two plots were filled with a soil made by composting turf with one-third its bulk of good stable manure.

The plants were purchased of a commercial grower and were of good size and as nearly alike as it was possible to get them, when set in the benches October 1. Three varieties were employed: These were Wm. Scott, Alaska and Daybreak. Eighteen plants, six of each variety, were set in each plot. After setting all flowers buds were removed to make the plants as nearly comparable as possible. No blossoms appeared until December 1, when the Daybreaks began to flower. The plants were removed from the benches July 1.

The largest yield was obtained from the plot having 25 grams of nitrogen, 8 of phosphoric acid and 60 of potash. Daybreak in this plot averaged over 30 blooms per plant and for the three plots giving the best crops, Daybreak and Alaska averaged 27 blooms per plant.

The results of this trial indicate that, in order to secure a maximum crop, at least 40 grams of nitrogen, 12 of phosphoric acid and 60 of potash must be present in the artificial soil of one of our plots, and that it must be in readily available form.

In this proportion the amounts necessary for 100 square feet of bench space are as follows:

Nitrate of soda.....	3 pounds, 14 ounces
Dissolved bone black.....	1 pound, 1 ounce
Muriate of potash.....	1 pound, 13 ounces

Some analyses of the entire plants were made at the time of setting. During growth, all flower stalks were disbudded, leaving only the terminal bud to open. The blooms were gathered about twice a week and were in about the same condition as carnation flowers usually are when picked for market. The diameter of each flower, length of stem, and any characteristic, such as form, color or substance, were carefully noted and recorded.

A record was also kept of the weights of the blooms from each plot and of each variety. The trimmings that accrued from the disbudding and gathering of dead and diseased leaves were carefully saved and accredited to the plots that produced them. At the time of harvest analyses were made of the old plants, together with the trimmings, and, as chemical analyses had already been made of each variety of cut flowers and plants at time of setting, it was possible to calculate the exact quantities of nitrogen, potash



COMMERCIAL FERTILIZERS AND THEIR RELATION TO CARNATIONS.

BY PROF. W. E. BRITTON of the New Haven (Connecticut), Experiment Station.

[Read before the Philadelphia Meeting of the American Carnation Society.]

During the season of 1896-97, the Connecticut Experiment Station began to study the fertilizer requirements of the carnation plant, as grown under glass for cut flowers. This paper, which I now have the honor to present for your consideration, is simply an account of the studies and observations up to the present time. The work will doubtless be continued, perhaps for several years, and any suggestions regarding plans for future experiment will be welcomed and duly considered. The studies have been made by Dr. E. H. Jenkins and the author of this paper.

Carnations, as you know, like all other plants, require for their growth and development three fertilizing substances, viz.: Nitrogen, potash and phosphoric acid. Many other chemical elements are found in the plants, some essential to plant development and growth and others which are unnecessary; but these less important ingredients are usually present in the soil and scarcely need our attention.

The three above-mentioned fertilizer ingredients are of the utmost importance, and form what has been termed, I believe, by Dr. Kedzie, the "Chemical tripod of floriculture."

At the beginning of our work we could find almost no data regarding the carnation plant upon which to base our experiments. We were obliged to feel our way. The first step necessary was to ascertain the quantities of plant

food actually removed from the soil by the crop. This was done by growing the plants in soil of known composition, from a chemical standpoint.

Formerly, the chemist analyzed the soil to find what fertilizers were needed, but now soil analysis is considered of little importance, and the best way to test the producing capacity of various soils is by growing plants upon them.

A soil composed of coal ashes and peat moss had been used in vegetation experiments at the Station and it was known that certain plants would thrive in it, if the proper quantities of fertilizer chemicals were added. It was also known that, when no fertilizers were added to this soil, very little growth was made by the plants. Vegetation tests, therefore, agreed with the chemical examination, both demonstrating that this soil was nearly sterile as far as plant food is concerned. Extremely small quantities of potash and phosphoric acid were present, but no available nitrogen.

The soil was prepared by sifting bituminous coal ashes through a screen having four meshes to the inch. For peat moss we employed the kind that is commonly used in city stables for bedding. It comes in bales and is said to be imported from Holland or Germany. It was broken up and passed through the same screen as the ashes. The sifting renders both peat and ashes capable of being mixed with greater ease and thoroughness. Three per cent by weight of peat moss was mixed with the sifted ashes, to form the soil for the experimental tests.

Ten plots, each having an area of 14.53 square feet and situated on a raised bench along the west side of the house, were devoted to the experiment. Eight of these plots were filled with soil of coal ashes and peat moss. To each of six of these plots were added

and phosphoric acid that had been removed from the soil by the crop.

There was little difference in the analyses of flowers grown in different plots, soils and quantities of fertilizers, or in the three different varieties. This difference is so slight that we may consider an average of eight analyses to fairly represent the normal composition of carnation blooms. It is as follows:

Nitrogen.....	0.39 per cent
Phosphoric acid.....	0.15 "
Potash.....	0.68 "

The amounts of these substances in the plants at time of setting were about the same as the quantities removed in the cut flowers during the blooming season of about six months. At the time of harvest the plants contained somewhat larger quantities of each ingredient, especially potash, than at time of setting. From the fresh weights and analyses of the flowers:

No. of Flowers.	Weight	Nitrogen	Phos. Acid	Potash
		oz.	oz.	oz.
Daybreak....10,000	191	12	5	1 lb. 5
Wm. Scott....10,000	187	11.7	4.8	1 lb. 4.6
Alaska.....10,000	194	8.3	3.4	0 lb. 14.8

During the Winter of 1897-98 the carnation experiments were continued along similar lines. The yield, however, was much smaller, owing in part to the condition of plants at time of setting, prevalence of stem-rot and causes wholly outside the question of fertilizers.

This time two of the compost plots gave slightly larger yields than the plots of coal ashes, and the plot where fertilizer chemicals were added to the compost gave a few more blooms than the same kind of soil, without the fertilizers.

In the coal ashes and peat moss the best yield was produced where the same chemicals were used and in the same quantities that gave the most satisfactory results the previous season. Two plots were supplied with 30 and 45 grams respectively of nitrogen, in form of cotton seed meal, but the resulting yield was less than where nitrate of soda was used.

The present season nitrate of soda, cotton seed meal and ground bone are being tested side by side, as sources of nitrogen. Up to this time there is very little difference in the plants of the several plots. All appear to be equally vigorous and the plots are nearly even, as regards the number of blooms produced; the one having the larger quantity of ground bone being four or five blossoms ahead. The remainder of the season will, therefore, be necessary to determine whether either of the organic forms of nitrogen is preferable to nitrate nitrogen, for growing carnations.

Bone is considered by some growers a valuable fertilizer, but bone varies greatly. Raw knuckle bone is not

worth much as a source of nitrogen, but if steamed or roasted, the nitrogen becomes more available. If the material contains a large amount of meat and cartilage when ground, the percentage of nitrogen will not only be much higher, but the nitrogen will also be more available.

One strange result from our experience is that, as a rule, a larger yield is obtained from the soil of coal ashes and peat than from the compost soil. This was true with five successive crops of tomatoes grown under glass. It was the case with carnations. There is a possibility that the compost was not what it should have been, yet it was prepared in the same manner and of the same kind of materials as the compost used by most growers.

It may seem like heresy for me to recommend putting the fertilizers all in the soil before the plants are set. This has given the best results, however, in our artificial preparation of coal ashes and peat moss. Several times we have added the fertilizer to a few plots, in small quantities, making three or four applications. No benefit seemed to result from this fractional fertilization, and those plants that received the entire amount at the beginning gave better yields. It is possible that a different result might have been obtained, if the fertilizer had been applied still oftener and in smaller quantities, in liquid form.

This, remember, has been our experience with the artificially prepared medium of coal ashes and peat moss. Let us look at the compost. Where we have added fertilizer chemicals to a rich compost, as a rule the yield has not been increased. In the case of tomatoes and lettuce the yield has always been considerably less than from the compost alone. You may be surprised to hear this; perhaps still less pleased than surprised, but it is true and the truth is what we are after. I might state, however, that whatever results are obtained with compost and chemical fertilizers, these results depend, in large measure, upon what to us is an unknown quality, i. e., the biological condition of the compost employed.

Most of us are inclined to think that, if we use a good turf and a good stable manure, mix together and decompose them, we have a soil that is rich in plant food and, therefore, plants must grow well in it.

For many years it has been known that soils contain minute organisms or bacteria, popularly called microbes or germs, which transform the nitrogen of organic substances, such as vegetable or animal matter, into nitrates, a form which can readily be taken up and assimilated by the plants. These organisms are called nitrifying organisms and are connected with most decaying matter. They are very beneficial. Their effect upon manures and soils has led us to recommend well decomposed manure for use about the

roots of plants, and rightly, for two reasons: First, there is more nitrogen present in the soil for the plant to use, if the organic matter has been broken up and nitrates formed. In the second place, where the soil contains an abundance of organic matter, nitrification sometimes goes on so rapidly as to actually poison or injure the plants growing in it. This was well demonstrated at our own Station by Dr. Jenkins, in a case where a large quantity of dried blood was added to the soil where a crop of oats was to be grown.

More recently, however, it has been established that there is another form of organism found in many soils and manures, which, instead of causing nitrates to be formed from the organic nitrogen, breaks up these nitrates and dissipates the free nitrogen into the air.

So that, unless we have some knowledge of the microbic life of the soil we cannot tell the amount of nitrogen which our compost may contain. This denitrifying microbe is a factor in the arts of horticulture and agriculture which is bound to receive consideration in the future.

In one of my own experiments with lettuce, a bench was filled with rather poor soil, to which had been added chemical fertilizers in sufficient quantities to grow a crop. The plants grew scarcely at all and, after a few weeks, turned brown, after the manner of starved plants. An examination of the soil showed it to be deficient in nitrogen, yet a certain quantity of nitrogen was added to it. I can see no explanation of the fact, other than the dissipation of the nitrogen by the denitrifying bacteria. In this case, no stable manure was added to the soil, but the loss of nitrogen is probably more likely to occur where nitrogenous fertilizers are used in connection with stable manure.

Professors Wagner and Kuhn, of Germany, have been making experiments and observations along this line. Wagner found that when nitrates were dissolved in a water extract of fresh horse manure they were destroyed and free nitrogen liberated. He also found that, when fresh dung was used in connection with nitrates or green vegetable substances as a fertilizer, the yield was so depressed that the weight of crop where the manure was added was far below that produced by the nitrates alone, even though the manure contained twice as much nitrogen as the nitrates.

Wagner explains this by stating that the microbes in the fresh dung expelled nitrogen gas, not only from the manure itself, but also from the nitrate, before the plant could take it up and assimilate it.

To be sure, in Wagner's tests, fresh manure was employed. You may consider this another reason for using the decomposed material, but the compost may already have lost much of its nitrogen in this manner, and there may



Rooted Carnation Cuttings at Wietor Bros., Rogers Park, Chicago.

still be a sufficient number of denitrifying germs present to dissipate free nitrogen from the nitrates subsequently added to it. So that it may happen that, though ample quantities of fertilizer nitrogen are applied to a soil, the yield may be considerably less than where not added—and the plants suffer for want of nitrogen.

[To be continued next week.]

BUNCHING CARNATIONS.

Time and again I have been asked the question, "How is it your carnation bunches have only 23 or 24 blooms in each?" It is a question I would like to hear answered myself. I have watched the stocks from different growers, both those that have been consigned and that have been purchased elsewhere, but the question still confronts me. Recently we bought 850 carnations which happened to be scarce that day, and as we were to ship this stock and did not know its age we looked it over and counted each bunch. We found the regulation shortage. In 34 bunches we were 45 carnations short and had 75 blooms that could not even be called seconds. We paid \$1.50 and \$1.70 per 100 for these flowers; add 45 and 75 at these rates and you can figure the cost.

But this does not answer the question as to who is at fault. Is it the grower or the commission man? Does the grower put up the bunches short or do so many flowers break off while being handled by the broker? If the fault is with the commission man it is time he learned how to handle carnations. If with the grower it is time to call a halt for he gets paid for what he does not grow. Carnations should be put up 26 to 28 in a bunch, and if any splits, small ones or short

stems they should be put up by themselves. The trade demands A 1 stock and a full hundred. The seconds should always be sent in for there is always a lot of fakirs or small stores that can use this grade. In their case it is a question of price and not quality.

Use the Garland box referred to in my last, lay your bunches in a tray so the flowers will not get tangled with each other, and we will soon be able to answer the question, "How does it happen that your carnations have only 23 or 24 to the bunch?"

CHARLEY'S AUNT.

CHICAGO.

The Market.

There is but little change from last week. The supply seems a trifle larger and prices a trifle easier in some lines, but not to any marked degree. Trade has held up very well on the average, though there have been weak days. Tuesday of this week happened to be one of the off days. The renewal of cold weather made violets move a little slowly. White flowers seem to still lead in demand, though to a somewhat less degree than before.

Club Meeting.

At the meeting of the Florists' Club last Friday evening the principal attraction was a vase of the new White Daybreak carnation shown by the originator, Mr. P. Broadbeck. It is a sport from Daybreak and identical with that variety, except that it is pure white in color. Mr. Broadbeck has grown this sport for four or five years and it has been remarkably productive with him. It was awarded the club's certificate of merit.

Chairman Winterson, of the entertainment committee, reported that Handel Hall, in the same building with the clubroom, and with a seating capacity of 500, had been secured for the "Ladies' Night" entertainment, to take place Friday evening, March 17, and that a very attractive programme was being arranged. This promises to be one of the most enjoyable entertainments ever given by the club.

Members who had attended the Philadelphia convention of the Carnation Society told of the successful exhibition and meeting and the new carnations seen there.

Various Items.

Kennicott Bros. Co. are now installed in their fine new quarters at 42 and 44 Randolph street, and have it admirably arranged for the handling of their business. They now have an abundance of room, but the best feature of all is the large cold storage room that extends out under the sidewalk at both front and side of the building and which is an ideal place for the keeping of flowers in the best condition. There will be no need of ice, except possibly in midsummer.

In the building in which E. H. Hunt is located men are at work putting in an elevator, building partitions and installing steam heating apparatus, ready for the joint occupancy of the floor by Mr. Hunt, Bassett & Washburn and A. G. Prince & Co. When the changes are completed the three firms will be very pleasantly situated with every convenience.

Mr. O. P. Bassett has returned from his Florida trip, looking as though his sojourn in the southland had thoroughly agreed with him.

Mr. A. Lange will soon start for Omaha where he is to be married March 20. The bride-elect is Miss C. Huxhold, a sister-in-law of Mr. Geo. Swoboda, of the firm of Hess & Swoboda. The couple met for the first time at the convention last August.

Kennicott Bros. Co. will receive orders for rooted cuttings of Mr. Broadbeck's new carnation white Daybreak. They have handled the flowers from this sport for several years, know it to be a good thing, and wish merely to lend a helping hand in introducing it.

H. Welfare, Corunna, Mich., and Prof. E. S. Goff, Madison, Wis., were recent visitors.

Bowling.

Following are the scores and averages made at the alleys last Friday evening:

	1st.	2d.	3d.	Av.
E. F. Winterson	223	153	115	163
A. McAdams ..	131	148	178	152
G. L. Grant	91	167	145	134
J. S. Wilson	113	152	...	122
J. Austin Shaw	145	131	120	132
Jno. Degnan ..	123	125	...	126
C. W. McKellar	126	113	121	119
P. J. Hauswirth	114	123	...	118
A. Henderson ..	107	113	107	109

IT WILL BE to your advantage to mention The Florists' Review every time you write an advertiser.

GRAND RAPIDS.

Carnation Exhibition.

The annual carnation meeting, open to the public, was a decided success. About 50 vases were staged by out-of-town and local florists, comprising many of the new seedlings as well as standard varieties. So much had been said about the Lawson, that the Club purchased three blooms, to gratify public curiosity, and they succeeded. The Lawson carnations arrived in the morning very much wilted and dejected looking, stems about 14 inches long, an apparent disappointment. They were put in water down cellar and not looked at until packed to take to the place of exhibition; but, oh! what a change. They had freshened up, assumed their proper color and were, excepting the length of stem, as fine as if just picked; the admiration of all who saw them. It is apparently a good shipper as well as good keeper.

E. G. Hill, of Richmond, Ind., staged a vase of fine specimens of America, which seemed to delight the eye with its light brightness of red, but had to divide honors with its darker mate G. H. Crane, shown by Fred Dorner & Sons Co. Some prefer one, some the other, the preference being on color lines. Mr. Dorner also showed Glacier, a beautiful white (with the appearance of dwarfness in growth, which would make it desirable for side benches), White Cloud and Mrs. Geo. Bratt.

L. E. Marquisee of Syracuse, N. Y., staged the Marquis, which to the eye was the most attractive variety in the exhibition. John Kuhn of Philadelphia, showed Mrs. B. Lippincott and several other meritorious seedlings, under number, the Mrs. B. Lippincott from the nature of its Daybreak build and light color, coupled with a fine stem, will make it a popular variety here. The Marquis and Lippincott are very desirable in every way.

Chris Besold of Mineola, Long Island, staged Mrs. Joost, which is, apparently in color and productiveness superior to Victor. H. Weber & Sons, Oakland, Md., showed Genevieve Ward, another fine pink. R. Witterstaetter of Cincinnati, Ohio, Opal, a light pink of pleasing shade, very desirable to those who like a very light color.

Geo. Hancock of Grand Haven, staged a white seedling, which gives promise of being a fine one for next year, and Crabb & Hunter put up a vase of Ireces on strong stiff stems. The flower is an improvement on Albertini, but a shade brighter; a free and easy habit; also a vase of mixed seedlings. James Schols showed a pink seedling which was much commented on.

The local growers put up some fine stock of the leading varieties such as Jubilee, Bratt, Flora Hill, Daybreak, Victor and others. Local exhibitors

were: Henry Smith, Chas. Chadwick, Alfred Hannah, Crabb & Hunter, and F. A. Chapman.

A meeting of the Club was held upstairs during the exhibition, at which Messrs. Crabb and Smith were requested to relate their experiences at the Philadelphia Carnation meeting and their trip around New York. Chas. Chadwick was requested to read his article on Violets at the next meeting, March 21st. Geo. F. Crabb was instructed to invite the glass agent to attend the same meeting. L. Renwick was admitted to membership.

The weather continues cold with streaks of sunshine, which brings the flowers along nicely. Business is a trifle quiet; supply is now about equal to demand. GEO F. CRABB.

ST. LOUIS.

We regret to have to state that our St. Louis correspondent is confined to his home by illness and that he was therefore unable to send the Review any news this week. It is expected, however, that he will be able to be about again in a few days.

BUFFALO BOWLERS.

	1	2	3	4	Av.
D. J. Scott.....	154	190	152	156	163
G. W. McCluer.....	144	149	136	188	154
W. F. Kasting.....	188	116	151	148	151
P. Scott.....	178	98	155	144	144
W. B. Scott.....	127	137	138	156	139
A. Kumpf.....	115	142	171	115	136
J. Braik.....	122	117	137	163	135
Wm. Scott.....	123	121	132	163	135
W. Grever.....	124	137	127	131	130
S. J. Rebstock.....	85	141	143	123	123
E. J. Nolan.....	107	107	150	127	123
Wm. Webber.....	89	124	112	...	112
H. B. Buddenborg...	87	95	123	123	108
D. B. Long.....	125	98	94	98	104
S. Jones.....	129	79	105	99	103
M. Bloy.....	100	90	117	...	102

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

FOR RENT OR SALE—First class retail stand, 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

FOR SALE—Retail store, with greenhouse attached; excellent opportunity for good up-to-date man; reason for selling, ill health. Address Western, care of Florists' Review.

SITUATION WANTED—As assistant or greenhouse hand, by young man. Four years' private and commercial experience. Address Field, 124 West 53rd Street, New York.

SITUATION WANTED—By good rose grower and general florists' stock. Address L. C., care of Florists' Review.

SITUATION WANTED—By a florist; experience in both Belgium and America; single; age 35 years; commercial or private. Address Chas. Waterman, Atkinson, Ill. Box 143.

SITUATION WANTED—By young man, age 27, in general greenhouse work, have had several years' experience, is sober and reliable. Address B., care of Florists' Review.

WANTED—A good A1 market gardener, well up in celery growing. State lowest wages expected with board. Address Gardener, care of Florists' Review.

FOR SALE—Florists' store, south side, in Chicago. Good retail stand. Other business demands owner's attention. Address P. Q., care of Florists' Review.

SITUATION WANTED—As working foreman or section man. German, single, age 35; 21 years' experience in growing roses, carnations, violets, general stock, also good propagator. Best of references. Address A. K., care Florists' Review.

SITUATION WANTED—As foreman, by a first class grower of roses and cut flowers; good propagator and general plantsman. Open for engagement to suit employer. Single. Best of references. Address Foreman, care of Florists' Review.

A BARGAIN! A good chance for the right man.
Retail Floral Store on one of our side business streets for sale at a bargain. Don't write unless you mean business. **WM. F. KASTING,**
495 Washington St. **BUFFALO, N. Y.**
Mention The Review when you write.

Valuable Real Estate and Greenhouse Property For Sale at a Bargain

The Established Greenhouse Property and Grounds located in the suburbs of a large city of 45,000 inhabitants.

Building lots 1165 feet front by 100 feet deep, on new street, will be very valuable in the near future.

Trolley cars pass every 15 minutes; 10 minutes' ride to the Penna. and Reading Railroad depots. Superior shipping facilities and good wagon roads. Two Dwelling Houses, 20 Greenhouses stocked with Roses, Carnations, Violets, Palms, Ferns, etc. Large Boiler House and Cellar, Wagon Shed, Stable, etc. New Steam Plant and Water Pumping Outfit. Two Iron Water Supply Tanks. Two Delivery Wagons, Horse, Buggy, etc.

Everything in good repair.

A rare opportunity to make a profitable investment. A well established trade in the city. Will sell greenhouse and stock alone, or will include store with good will. Easy terms.

Write for further particulars to

Sacrifice, care of Florists' Review.
Mention The Review when you write.

Send Advs. Now for the
Special Spring Number... OF THE
Florists' Review
TO BE ISSUED
MARCH 23.

Increased Value But no Increase in Rates. SEND COPY EARLY.

Florists' Pub. Co.
520-525 Caxton Bldg., CHICAGO.

BOSTON.

The Market.

This week's business has not been up to the standard of the past few weeks, although there is still a good demand for the best grade of flowers, but as is usual at this season with longer days, and a more even temperature, the quantity of cut flowers is bound to increase, and with the necessary increase of work quality will to some extent deteriorate.

Carnations seem to be a leader, the fakirs being able now to sell every day. Average stock will bring from \$1.50 to \$2.00 per 100 with extra to fancy quality selling from \$3.00 to \$6.00. Roses are a trifle lower, and can be had for from \$2.00 to \$8.00 per 100 with a few strictly high grades bringing \$2.00 per dozen. Violets average about 50c, although quite a lot are sold daily at 35 cents; valley plenty from \$2.00 to \$4.00; tulips, narcissus, hyacinths, etc., from \$2.00 to \$3.00. Harrisii have increased very perceptibly in quantity and are now quotable at from \$1.00 to \$1.50 per dozen; callas \$1.00 per dozen.

Quite a few Jacqueminot and Brunner roses are now being brought in price ranging from \$1.00 to \$2.00 per dozen.

The News.

The Horticultural Society is contemplating selling its present building and securing land at the corner of Boylston and Exeter streets putting up an elegant new structure in the near future.

Boston seems to have a faculty for originating high priced flowers and the retailers obtain considerable newspaper notoriety. This time it is Wax Bros., with a \$5,000 offer for the new Imperial violet.

The city fathers have decided that the English sparrow is a nuisance, and are going to exterminate them. W. J. Kennedy, formerly manager of the Boston Flower Market, and now a city employe, has the matter in charge.

P.

Special Offer.

200 Norway Spruce, 3 to 4 ft.	6 cents each
300 " 3 1/2 to 3 ft.	5 "
200 American Arborvitae, 3 to 4 ft.	6 "
300 " 2 1/2 to 3 ft.	5 "
200 Irish Juniper, 3 to 4 ft.	9 "
400 " 2 1/2 to 3 ft.	7 "
400 " 2 to 3 ft.	5 "
300 Sugar Maple, 10 to 12 ft.	10 "
200 " 9 to 10 ft.	9 "
50 American Linden, 10 to 12 ft.	8 "
2000 Norway Maple, 4 to 6 ft.	\$15.00 per 1000
3000 " 3 to 4 ft.	10.00 "
2000 " 2 1/2 to 3 ft.	8.00 "
10,000 Peach, all grades and varieties.	
All stock strictly first-class, carefully dug and handled.	

C. L. LONGSDORF, Floradale, Pa.

Mention the Review when you write.

Always mention the Florists' Review when writing advertisers.

Simplicity in Greenhouse Construction.

During our long experience we have not only made many improvements in greenhouses, but we have so simplified the construction that building a greenhouse is no longer a matter so full of complications as to tax the patience and the ingenuity of even the most intelligent mechanic. Our

Clear Cypress Building Material

is worked out in the best manner ready to be put up, and we furnish our customers such complete detail drawings that any workman of only ordinary capabilities can put it up correctly.

Write for Circulars
or Estimates.

Lockland Lumber Co.

LOCKLAND, OHIO.

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SEND ADVERTISEMENTS NOW FOR THE

Special Spring
Number

OF THE....

SEND COPY
EARLY.

Florists' Review

TO BE
ISSUED MARCH 23

INCREASED VALUE
BUT NO INCREASE
....IN RATES

Florists' Pub. Co., 520-535 Caxton Bldg., CHICAGO.

FELTHOUSEN Wants Room.

Read this and let us hear from you.

Remember, our Geraniums are grown in flats and in soil. Our selection \$1.50 per 100, \$12.00 per 1,000. Mme. Salleron, same price and grown in soil. Rose Geraniums, \$2.00 per 100. Ageratum, blue and white, 60 cents per 100, \$5.00 per 1,000. Fuchsias, standard sorts, \$1.50 per 100, \$12.00 per 1,000. Fever Few, Little Gem, from flats and in soil, \$1.25 per 100, \$10.00 per 1,000. Salvia Splendens and Bedman, \$1.00 per 100. Heliotrope, six varieties, \$1.00 per 100, \$9.00 per 1,000. Vinca Variegata, cuttings, \$1.25 per 100, 4-in. stock, fine, \$8.00 per 100, \$50.00 per 1,000. Coleus, all the best varieties. C. Verschaffeltii and Queen, 75 cents per 100, \$8.00 per 1,000. Coleus, in variety, 60 cts. per 100, \$5.00 per 1,000. The above are Rooted Cuttings, except when noted.

Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y.
Mention The Review when you write.

ROCKVILLE, IND.—Mr. D. A. Graham was fortunate in not losing a single plant during the recent cold spell, but suffered the loss of a windmill being broken, due to the cold weather influences.

The Cottage Gardens,

C. W. WARD, QUEENS, L. I.
Manager.

WHOLESALE GROWERS
FLORISTS' SPECIALTIES.

Mention the Review when you write.

H.W. BUCKBEE
Seed Specialist,

Rockford Seed Farms.
Forest City Greenhouses.

Lock Box 911. ROCKFORD, ILL.

Special Prices Upon Application.

Mention The Review when you write.

C. SOLTAU & CO.

199 Grant Ave., Jersey City, N. J.

No more PANSY PLANTS for a month.
SEED as usual.

Mention The Review when you write.

COLLECTIONS!

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CORNELIUS S. LODER, Sec'y, 271 Broadway, NEW YORK.

Publishers of Credit Lists.

Reports Furnished.

Correspondence Solicited.

SOCIETY OF AMERICAN FLORISTS.

President Rudd has appointed the following named gentlemen, members of the Executive Committee: C. W. Ward, Queens, N. Y.; J. F. Cowell, Buffalo, N. Y.; Lawrence Cotter, Boston, Mass.

State vice presidents for 1899 are as follows: Cal., Sidney Clack, Menlo Park; Conn., J. Coombs, Hartford; D. C., A. Gude, Washington; Ills., Edgar Sanders, Chicago; Ind., J. D. Carmody, Evansville; Ia., C. G. Anderson, Atlantic; Kans., C. F. Mueller, Wichita; Ky., Jacob Schulz, Louisville; Maine, J. A. Dirwanger, Portland; Md., R. Vincent, Jr., Whitmarsh; Mass., A. H. Lange, Worcester and Alex. Montgomery, Natick; Mich., G. A. Rackham, Detroit; Minn., S. D. Dysinger, St. Paul; Mo., E. H. Michel, St. Louis; Nebraska, J. J. Hess, Omaha; N. H., A. Gaedeke, Nashua; N. J., F. L. Atkins, Rutherford; N. Y., Alex. Wallace, New York, and D. B. Long, Buffalo; N. C., J. W. C. Deake, Asheville; Ohio, Robt. George, Painesville, and E. H. Giesey, Lockland; Pa., John Westcott, Philadelphia, and Fred Burki, Bellevue; R. I., Robt. Laurie, Newport; Vt., D. McGillivray, Brattleboro; Wis., C. B. Whitnall, Milwaukee.

WM. J. STEWART, Sec'y.

PHILADELPHIA.

The store men report business in general the past week as being exceptionally dull, which was due no doubt to the bad weather which has prevailed the past week.

Prices were very low. Carnations sold at 75 cents per 100, except some of the finer varieties which sold for \$1.50.

Double violets sold at 50 to 75 cents per 100 and singles at 25 cents per 100.

American Beauties brought from \$2 to \$4 per dozen. Brides and Bridesmaids sold as cheap as \$4 per 100. There was some few sold at \$8, but it was necessary that they should be extra fine.

Meteors brought from \$4 to \$8. No change in Romans, valley or tulips. Freesias sold at \$2 and \$3, Narcissus at \$3 and \$4. Hardy fern leaves are very scarce and sell very readily at \$2 per 1000.

Mr. P. L. Carbone, Boston, was among the visitors in town the past week.

R.

AMONG those present at Philadelphia and whom we failed to include in our list was Mr. F. Burki, of Bellevue, Pa.

...Special Offer of Bulbs...

Begonias, tuberous rooted, extra large flowering, prime strain guaranteed, no culls.

	Doz.	100
Single, in 5 colors, separate or mixed	\$0.40	\$2.50
Double, in 5 colors, separate	.75	5.00
Double, in 5 colors, mixed	.60	4.00

CANNAS, Fine, Strong, Clean Roots.

dorado, Flamingo, F. Vaughan, J. D. Cabos, Mme. Crozy, Papa, Paul Marquant, Queen Charlotte, S. d'Ant. Crozy, Souv. du Pres. Carnot	.40	2.50
Bassett's Red, Beaute Poitevine, Defender, L. Vaughan, Mlle. Berat	.50	3.00
Mrs. Fairman Rogers, Glorioso, Philadelphia, Robt. Christie	.85	6.00
Pres. Cleveland, Pres. McKinley, Sec'y Chabanne, Tarrytown, Yellow Crozy	1.50	10.00
Gladioli , in finest mixture	1.00	6.50
Gloxinia , brilliant colors, sound fine bulbs	.50	3.50
Tuberose , Excelsior Pearl, 1st large size, \$1.00 per doz., \$7.00 per 100; 2d size	.50	3.50
Lilium Auratum , 7x9.... doz., 60c., 100, \$4.00		
8x11.... " 85c., 100, 6.00		
11x13.... " \$1.25, 100, 10.00		
Lilium Rubrum , 6x8.... " 40c., 100, 3.00		
8x9.... " 60c., 100, 4.00		
9x11.... " 75c., 100, 5.00		
Monster.... " \$1.25, 100, 8.00		
Lilium Album 8x9, doz., 75c., 100, \$5.00		
9x11, " 85c., 100, 6.00		
11x12, monster, " \$1.25, 100, 8.00		
Lilium Melpomene ... 8x9, " 75c., 100, 5.00		
9x11, " \$1.00, 100, 6.00		

Caladium , fancy leaved, strong bulbs, \$1.00	Doz.	100
Caladium Esculentum , 6x8-inch	.50	3.00
8x10-inch	.60	4.00
10x12 "	1.00	6.00

Dozens of various sorts at 100 rates.
5 per cent. discount for cash on all bulbs.

H. H. BERGER & CO.

Established 1878.

47 BARCLAY ST., NEW YORK.

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DAHLIAS

By
the
Tens
of
Thou-
sands.



My prize winners carried off the highest National honors yet awarded the Dahlia—a diploma and gold medal at the Omaha Exposition. Get my catalogue before ordering elsewhere.
Box 382. W. W. WILMORE, Denver, Col.
Mention The Review when you write.

ANTON SCHULTHEIS, P. O. Box 78...
College Point, Queens Borough, N. Y.
HEADQUARTERS FOR
PALMS and Decorative Plants in Quantity
Come, see Ericas (Heather), also Full Line of Other Flowering Plants
and convince yourself. Price List on Application.

Mention The Review when you write.

Asparagus Plumosus Nanus.

	Per 100.
1000 Asparagus Plumosus Nanus, 4-in. pots	\$15.00
1000 " " " 5 " "	18.00
200 " " " 7 " "	25.00
300 " " " 8 " "	35.00
Asparagus Seed, home grown, \$1 per 100, \$9 per 1000	

Write for prices on Carnation Cuttings.

W. F. Kastling, 495 Washington St. Buffalo, N. Y.

Mention The Review when you write.

Mention The Florists' Review when writing advertisers.

50,000 Rooted Cuttings

	Per 100
Begonia Incarnata Gigantea	\$2.00
" Rex, mixed, Mrs. Pollock	2.00
" Rex, 30 named varieties	4.00
Coleus, 50 varieties	1.00
" mixed	\$5.00 per 1,000
" separate colors, 6.00	.75
Ageratum, Geraniums, mixed	1.00
Geraniums, separate kinds	1.50
" bronze, lemon verbenas	1.50
" silver leaf, rose scented	1.50
" Mme. Sallerii, Vinca var	1.25
Impatiens Sultana, assorted	2.00
Pelargoniums, assorted, named	4.00

POTTED PLANTS.

Begonia Incarnata Gigantea	2 1/2-in.	4.00
" Rex, mixed	"	4.00
" Rex, 30 named varieties	"	6.00
Cinerarias, best strains	"	3.00
Asparagus Plumosa Sprengerii	"	6.00
Impatiens Sultana	"	8.00
Geraniums, Silver Leaf	"	4.00
Lemon Verbena	"	4.00
Forget-me-not, winter flowering	"	3.00
Vincas Var., 2-inch, 3-inch, extra	"	\$2.00 to 4.00

Write for prices on other stock or for large quantities. Terms Cash or C. O. D.

GREENE & UNDERHILL,
Watertown, N. Y.

Mention The Review when you write.

ORCHIDS....

CATTLEYA FLOWERS of finest quality always on hand. Orders from unknown parties must be accompanied by cash. Orders taken now for **Cattleya Labiata Plants**, spring delivery.

Lager & Hurrell, Growers and Importers.... Summit, N. J.

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Mention The Florists' Review when writing advertisers.



51 Wabash Ave. CHICAGO.

W. S. HEFFRON, Mgr.

Price List taking effect Thursday, March 9.

ROSES.

Am. Beauties, long, per doz.....	\$4.00—	\$5.00
" medium, per doz.....	2.00—	3.00
" short, per doz.....	1.00—	1.50
Meteors, Maids, Brides and Kaiserin, per 100,	4.00—	6.00
Perles.....	4.00—	5.00
Roses, seconds, average.....	4.00—	

CARNATIONS

Are Our Specialty.

Fancy varieties, fancily grown.....	\$3.00—
Ordinary varieties, fancily grown.....	2.00—
Ordinary varieties, average stock.....	1.50—

Miscellaneous.

Freesia (strictly fancy).....per 100,	\$2.00—
Marguerites.....	.75—
Mignonette.....	2.00— 3.00
Forget-me-not.....	1.00—
Callas.....per doz.,	1.50—
Harrisii.....	1.50—
Romans.....per 100,	2.00— 3.00
Narcissus.....	3.00—
Daffodils.....	2.00—
Tulips.....	2.00— 4.00
Valley.....	3.00— 4.00
Violets.....	.50— .75

Decorative.

ASPARAGUS.

Per string.....	\$.50—
-----------------	---------

FERNS.

Per 100, 25c.....	per 1,000, \$2.50
Maiden Hair.....	per 100, \$1.00—

GALAX.

Bronze and Green, per 100, 15c.....	per 1,000, \$1.00
-------------------------------------	-------------------

SMILAX.

Common.....	per doz., \$1.50
Wild, Parlor Brand case.....	3.75
" Medium case.....	5.50
" Large case.....	8.00

All other flowers in season at lowest market rates.

Above quotations are subject to change without notice. P. and D. at cost.

Extra select and inferior qualities charged for according to value.

Store open from 7:00 A. M., until 6:30 P. M. Sundays and Holidays closed at noon.

ALL WHITE STOCK SCARCE.

Mention The Review when you write.

CLEMATIS.

Large flowering, either dormant or growing in pots, strong, healthy, home-grown plants, 10 leading sorts, \$2.50 per dozen, \$20.00 per thousand.

Downing Gooseberry, 25,000 1 and 2 yr., very low.	
H. P. Roses, leading kinds.....	\$1.50 doz., \$10 per 100
Monthly Roses, 4-in., fine plants.....	1.00 " 8 "
Pæonies, best market sorts.....	1.25 " 8 "
Smilax, strong, fine plants, 3-inch.....	2 " "

F. A. BALLER, Bloomington, Ill.

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Always mention the Florists' Review when writing advertisers.

McKellar & Winterson,

WHOLESALE FLORISTS,

45-47-49 Wabash Avenue, - - CHICAGO.

OUR SPECIALTIES:

Ques. Why do the florists increase their orders on Evans-ton Carnation Cuttings?

Ans. Because they know a good thing when they see it.

Orchids, High-Grade Roses, Carnations and Violets.

Full line FLORISTS' SUPPLIES, Seeds, Bulbs, Hardy Stock.

Write for Catalogue.

Mention The Review when you write.

Bridesmaid excelled by this NEW ROSE.....

MAID OF HONOR,

formerly called MISS CLARA BARTON

Plants in 2½-inch pots NOW READY. Price — per 100, \$15.00; 50 at 100 rate. per 1000, \$125.00; 250 at 1000 rate.

HOFFMEISTER FLORAL CO., 813 Elm St. CINCINNATI, O.

For sale also by

E. G. HILL & CO., Richmond, Ind., and F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

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ESTABLISHED 1802

THORBURN'S SEEDS

COCOS WEDDELIANA at \$7.50 per 1,000

LATANIA BORBONICA at 50c. per Lb.

Asparagus Sprengeri at \$6 per 1000 seeds

Anemone, Finest Caen Mixed, at \$3 per lb.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Mention The Review when you write.

SEND ADVS. NOW FOR THE

Special Spring Number

— OF THE —

Florists' Review,

TO BE ISSUED

Increased Value but no increase in Rates.

MARCH 23

...SEND COPY EARLY...

Florists' Pub. Co.

520-535 Caxton Bldg. CHICAGO.

Grafted Roses

Bride, Bridesmaid,

Carnot, Kaiserin,

\$10 per hundred.

No orders taken after the 20th.

H. F. LITTLEFIELD,

Worcester, Mass.

Mention the Review when you write.

THE HARRISII DISEASE can be prevented by immersing the bulbs for 5 hours in a half solution of

Kraft's Plant Tonic

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills Hard Shelled Scale, Mealy Bug, and other insect pests without injury to the plant. Send for circular.

KRAFT PLANT TONIC CO. Rockford, Ill.

Mention The Review when you write.

Ornamental Shrubs,

HERBACEOUS PERENNIALS.

A specialty of Iris, Phlox, Pæonies, Pyrethrums, Poppies, etc. Wholesale List on application.

JACOB W. MANNING,

The Leading ESTABLISHED 1854. READING, MASS.

Mention The Review when you write.

Cyclamen

Persicum Giganteum, the genuine article, nice plants, twice transplanted, \$2.50 per 100

by mail; \$20.00 per 1000 by express. Draemna indivisa, 4-in. pots, \$3.00 per 100, 3-in. pots, \$3.00 per 100. Fine stock.

E. FRYER, Berriman Street and New Lots Ave. Brooklyn, N. Y.

Mention The Review when you write.

E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention the Review when you write.

CATALOGUES RECEIVED.

W. E. Hall, Clyde, O., carnations; E. Hunt, Chicago, cut flowers and florists' supplies; H. W. Hales, Ridgewood, N. J., Hale's Perfect Mole Trap; Cincinnati Cut Flower Co., Cincinnati, O., cut flowers and florists' supplies; Kennicott Bros. Co., Chicago, cut flowers and florists' supplies; same, Evanston carnation; F. R. Pierson Co., Tarrytown, N. Y., choice selections in seeds and plants; Sunnyside Floral Nursery, Fayetteville, N. C., trees, shrubs, greenhouse plants, bulbs, roses, etc.; Albert M. Herr, Lancaster, Pa., novelties and standard carnations; Ellwanger & Barry, Rochester, N. Y., novelties in fruits, ornamental trees, shrubs, roses, etc.; W. Atlee Burpee & Co., Philadelphia, seeds, bulbs, etc.; Willowdale Nurseries, Willowdale, Pa., rooted cuttings of carnations and violets; Chestnut Hill Nurseries, Montclair, N. J., fruit and ornamental trees, garden plants, etc.; R. Vincent, Jr., & Son, White Marsh, Md., vegetable and other plants; Concord Valley Plant Farm, Concord, Mass., choice strawberry plants and other nursery stock; Samuel C. Moon, Morrisville, Pa., nursery stock; Chicago House Wrecking Co., Chicago, material from sheriffs', receivers', trustees', assignees' and manufacturers' sales; Stuart & Haugh, Anderson, Ind., plants; Ellis & Pollworth, Milwaukee, Wis., cut flower boxes.

**Cincinnati
Cut Flower Co.**W. A. MANN.
FRANK W. BALL.416 Walnut St. **Wholesale Florists**
CINCINNATI, O.Consignments Solicited.
Special Attention Given to Shipping Orders.
Mention The Review when you write.**WHOLESALE FLORIST,**11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.

Mention The Review when you write.

REINBERG BROS.**Wholesale
Growers of****Cut Flowers**

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.**51 Wabash Ave., CHICAGO**

Mention The Review when you write.

Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

**Wholesale Growers of
and Dealers in CUT FLOWERS**

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.

**Lynch**
WHOLESALE FLORIST
19-21
E. RANDOLPH ST.
CHICAGO**Our prices are as low as any
and our stock superior.
We ask for a trial order.**

Mention The Review when you write.

A. L. RANDALL
Telephone 1496
Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better prepared than ever to handle your orders.
Mention The Review when you write.**WHOLESALE
GROWER OF ROSES. DEALER IN
CUT FLOWERS.****J. A. BUDLONG,**37-39 Randolph St., CHICAGO, ILL.
Mention The Review when you write.

F. F. BENTHEY, MANAGER.

**BENTHEY & CO.,
Wholesale and Commission
FLORISTS,**

41 Randolph Street, CHICAGO.

Consignments solicited.

Mention Florists' Review when you write.

600,000
FEET
OF
GLASS.**Wholesale Price List.
AMERICAN BEAUTY**

Extra long stem...per doz.	\$4.00
24-inch stem.....	3.00
20 " " " " " "	2.50
15 " " " " " "	2.00
12 " " " " " "	1.25
8 " " " " " "	1.00
METROB.....per 100,	4.00 to \$8.00
BRIDESMAID	4.00 to 6.00
BRIDE	5.00 to 7.00
PERLE	3.00 to 5.00
CARNATIONS	1.50 to 2.00
" fancy.....	3.00
Roman Hyacinths	2.00 to 3.00
Valley	3.00 to 4.00
Daffodils	2.00 to 3.00

Quotations subject to change without notice.

All other stock at lowest market prices.

No charge for packing.

C. A. KUEHN **WHOLESALE
FLORIST**

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.
Mention Florists' Review when you write.**H. G. BERNING,**
(Successor to
St. Louis Cut Flower Co.)**WHOLESALE
FLORIST,**1322 Pine Street,
ST. LOUIS, MO.

Mention The Review when you write.

ELLISON & TESSON,**WHOLESALE SHIPPING****FLORISTS**

3134 Olive Street, ST. LOUIS, MO.

...Home Grown Stock...

Mention The Review when you write.

C. W. WORS,

2740 Olive Street, - - ST. LOUIS, MO.

Flowers at Wholesale**ROSES, and a full line.**Headquarters for the Southwest.
Mention The Review when you write.**Maplewood Cut Flower and
Plant Co.** GEO. M. KELLOGG, Pres.Growers of **CUT FLOWERS** at Wholesale.

Regular shipping orders given special attention. We have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.

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Always Mention the....

Florists' Review

When Writing Advertisers

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES,

42 and 44 Randolph St., Chicago, Ill.

Long Distance Telephone Express 486.

CHOICE FLOWERS at Lowest Market Rates.

New Carnation White Daybreak.

Awarded Certificate of Merit by Chicago Florists' Club. See item in Chicago Notes in this issue of the Review. We will receive orders for Rooted Cuttings and hand them to Mr. Broadbeck. Price, \$12.00 per 100.



Verbena King

SAYS:

Jones pays the freight—So do we on all rooted cuttings, and until further notice we will sell our fine Mammoth Verbenas at 60c per 100, \$5 per 1000; all well rooted, true to name, strictly free from rust or mildew. Our Verbenas go everywhere, it makes no difference where you live we guarantee to reach you in safety and guarantee satisfaction; what

more can you ask? Just try us and we will do the rest. We can fill all orders for Verbenas, it matters not how large the order may be, at the following prices: 60c per 100, \$5 per 1,000; 5,000 for \$22; 10,000 for \$40; 25,000 for \$95; 50,000 for \$175. Yes, and we have them, too.

AGERATUM, Cope's Pet, blue; Lady Isabel, white, 50c per 100, \$4.00 per 1,000.

FUCHSIAS, named varieties, \$1.25 per 100.

25,000 CARNATIONS, Flora Hill, Mayor Pingree, Morello, \$2.50 per 100, \$20.00 per 1,000. Daybreak, \$2.00 per 100, \$18.00 per 1,000. L. McGowan, Portia and Wm. Scott, \$1.00 per 100, \$9.00 per 1,000. Well rooted and satisfaction guaranteed. Yes, and I will pay express on them, too.

THAT CASH, PLEASE.

Send for new descriptive list.

FROM ILLINOIS. (SEE 1)

C. HUMFELD. Dear Sir:—The plants arrived in good shape and are doing nicely; am very much pleased with them. We have also decided to give you another order. We have spent considerable money for cuttings and also plants, but they haven't any proved as satisfactory as yours, therefore, you are the only firm that has received our second order. Yours very truly,

W. YERBURY, Rock Island, Ill.

C. HUMFELD, Clay Center, Kan.
THE ROOTED CUTTING SPECIALIST.

**SEND ADVERTISEMENTS
NOW FOR THE
SPECIAL SPRING
NUMBER**

**OF THE
FLORISTS' REVIEW**

TO BE ISSUED MARCH 23

Increased Value but no
Increase in Rates. Send Copy Early.

FLORISTS' PUB. CO.

520-535 Caxton Bldg., CHICAGO.

BABY PRIMROSE.



The newest thing for
Easter Blooming.

Flowers in thumb pots; grows rapidly, 6-in. pot, carry 50 to 100 sprays of rosy flowers, 12 to 18 in. long; lasts 4 weeks when cut and wholesale at \$2 per 100; grows finely in cool house; perpetual bloomer. 12 for \$1.50, \$10 per 100, express prepaid.

**New Fragrant \$1000
CALLA.**

Very dwarf and free bloomer, has the fragrance of violets and lilies, \$1 and \$2 per 12, \$6 and \$12 per 100, mailed.

Asparagus Sprengeri.
2-in., 24 for \$1.50, mailed; 3 1/2-in., 24 for \$2.50, mailed;

ed; \$4 per 100, express. 3 1/2-in., 24 for \$2.50, mailed; \$7 per 100, express.

A. BLANC & CO., Philadelphia.

Mention The Review when you write.



**Last Call. FIRST
Quality HARDY CUT FERNS**

\$1.25 per 1000. Price will advance next week.

Galax Leaves, Bronze, Green or Assorted, \$1.00 per 1000. **Laurel Festooning**, \$5.00 per 100 yds. All orders by wire or mail promptly filled.

CROWL FERN CO., 27 Beacon St., BOSTON, MASS.

Mention The Review when you write.

Rooted
Runners from **Marie Louise Violets**,

which have borne 100 flowers per plant this last winter. From now until May 1st will sell good Rooted Cuttings at \$5.00 per 1000. Come and see for yourselves, dear friends, and I will prove to you that my stock is clean, free from disease and first class in every respect.

C. LAWRTZEN,
RHINEBECK, N. Y. Money refunded if not just as I say. Cash with order.

Mention The Review when you write.

**E. G. HILL & CO.,
RICHMOND, IND.**

GRAFTED —ROSES

In Fine
Condition.

Bride, Bridesmaid, Perle, Meteor,
Kaiserin, American Beauty,
\$10.00 per 100, \$90.00 per 1000.
Elegant Stock.

White Cloud, Flora Hill, Jubilee, Maud
Adams, Melba, Crane, America, all
the best sorts, in healthy well-rooted
Cuttings, quality A1 See trade list
for prices.

**CHRYSANTHEMUMS,
GERANIUMS,
ASPARAGUS,
FERNS,**

**PALMS, and
YOUNG ROSES.**

**E. G. HILL & CO.,
RICHMOND, IND.**

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HALE'S MOLE TRAP

For destroying ground moles in lawns, parks, gardens and cemeteries. The only PERFECT mole trap in existence. Guaranteed to catch moles where all other traps fail. Sold by Seedsmen, Agricultural Implement and Hardware dealers, or sent by express on receipt of \$2.00, by

H. W. HALE, RIDGEWOOD, N. J.

Mention The Review when you write.

AMERICAN ROSE SOCIETY.

Dear Sir:—Knowing you to be really interested in the Queen of Flowers, "The Rose," I beg to advise you that a meeting of rose growers and rose lovers will be held at the Broadway Central Hotel, 671 Broadway, above Bleecker street, New York City, on Monday, the 13th of March, 1899, at 2 o'clock p. m., for the purpose of taking up and reorganizing the American Rose Society, which was started by a few members at Atlantic City, New Jersey, in August, 1894, but for various reasons, too long to describe here, has remained dormant ever since. Now many of our live rosarians are very much in earnest to put this society on a practical, active working basis.

At Atlantic City the following members were enrolled, paying \$5.00 each: John H. Taylor, Bayside, Long Island; F. L. Moore, Chatham, New Jersey; Edwin Lonsdale, Philadelphia, Pa.; R. F. Tesson, St. Louis, Mo.; G. P. Rawson, Elmira, N. Y.; H. B. Beatty, Oil City, Pa.; J. N. May, Summit, N. J., and, later, F. L. Bills, Wm. Plumb and W. H. Spooner joined us.

In addition to the above, the following gentlemen join in making this call for a meeting: Ernst G. Asmus, West Hoboken, N. J.; H. Hentz, Jr., Madison, N. J.; S. C. Nash, Clifton, N. J.; Louis M. Noe, Madison, N. J.; and Paul M. Pierson, Scarboro, N. Y., and we all earnestly request you to be present and come prepared to make any suggestions you may think of that will make this society thoroughly practical and of the greatest benefit to the greatest number.

That the Queen of Flowers has remained so long unrepresented by a society is to be deeply regretted, and by none more than myself. Its scope of usefulness is practically unlimited; that it can be of the greatest value to everyone interested in roses, whether they are growing for profit or pleasure, no one can deny. Therefore, we earnestly again request you to be present, as we think you would prefer to be one of the charter members, and, if from any unforeseen cause, you cannot possibly be present, please write me direct, making any suggestions which you think of that can possibly be of any service at the meeting, and enclose \$5.00 as membership fee, thereby greatly obliging all the above, and

Yours very truly.

JOHN N. MAY.

Summit, N. J., March 3, 1899.

Dracaena Indivisa.

6-inch, pot grown\$20.00 and \$25.00 per 100
5-inch, pot grown 15.00 and 18.00 "
Rose Clothilde Soupert, 2½-inch... 3.00 "
Vinca Variegata, 4 & 5-in. \$6.00 and 7.00 "
Geraniums, S. A. Nutt, 2½-inch, \$25.00 per 1,000;
\$2.50 per 100. Cash, please.

CARL HAGENBURGER, West Mentor, O.
Mention the Review when you write.

Always Mention the....

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When Writing Advertisers.



REGULAR SHIPPING ORDERS RECEIVE
SPECIAL ATTENTION.

W. F. METEOR BROS.

51 Wabash Avenue, Chicago.

Wholesale Price List.

WHOLESALE GROWERS OF Cut Flowers

We Are Headquarters for...

AMERICAN BEAUTIES,

of which we cut from 2,000 to 3,000 daily. Our Brides, Meteors, Maids and Perles were never better.

OF CARNATIONS

we grow 50,000 plants of all the leading varieties, and they cannot be surpassed.

Am. Beauty, extra long stem, per doz.	\$4.00
" 24-in. stem	3.00
" 20-in. "	2.50
" 15-in. "	2.00
" 12-in. "	1.25
" 8-in. "	1.00
Meteor per 100,	\$4.00 to 6.00
Bridesmaid	4.00 to 6.00
Bride	5.00 to 7.00
Perle	8.00 to 5.00
Carnations	1.50 to 2.00
" fancy	3.00

All other stock at lowest market prices.
No charge for packing.

Mention The Review when you write.

S. B. WINTER,

L. P. KELLY,
Manager.

Telephone Main 4580.

21 Randolph Street, CHICAGO.

COMMISSION HANDLER OF

High Grade Cut Flowers

GROWERS OF GOOD STOCK....

Can Secure the Best and Quickest
Returns by Consigning to us

PRICE LIST.—Subject to Change without Notice.

ROSES	
American Beauties, long... per doz.,	\$5.00—
" " medium "	2.00— \$4.00
" " short... ..	1.00— 1.50
Meteors, Maids..... per 100,	5.00— 7.00
Brides.....	6.00— 8.00
Perles	4.00— 6.00
Roses, seconds, average	4.00—
CARNATIONS	
Fancy varieties..... Per 100	\$3.00—
Ordinary varieties, extra quality.....	2.00—
" " average stock.....	1.50—

MISCELLANEOUS	
Freesia..... per 100,	\$2.00—
Callas..... per doz.,	1.50—
Harrisii	1.50—
Romans	2.00— \$3.00
Narcissus.....	3.00—
Daffodils	2.00—
Tulips	2.00— 4.00
Valley	3.00— 4.00
Violets .....	.50— .75

Mention The Review when you write.

EASTER, 1899, IS COMING!

Don't delay any longer
to order your

LILY OF THE VALLEY, the cream of the market, Berlin pips, large bells, \$12.00 per 1000.

CRIMSON RAMBLER, extra fine plants, \$25.00 per 100.

TUB. ROOT. BEGONIA HYBRIDA, in four separate colors, bulbs about 1½ inches diameter, \$2.50 per 100, \$20.00 per 1000.

GLOXINIA HYBRIDA CRASSIFOLIA ERECTA, \$3.50 per 100, \$30.00 per 1000.

CLEMATIS, RHODODENDRONS, SPIRAEA, PAEONIES, etc., now on hand.

Terms to unknown correspondents,
cash; otherwise, 60 days.

F. W. O. SCHMITZ, Jersey City, N. J.

Mention The Review when you write.

100,000 VERBENAS,

THE CHOICEST
VARIETIES
IN CULTIVATION....

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

{ No Rust or Mildew.
Packed Light and
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention The Review when you write.

Always mention the Florists' Review when writing advertisers.

Hot-Bed Sash.

Tenons white-leaded! Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3 ft. x 6 ft., 3 rows 10 in. glass.
3 ft. 3 in. x 6 ft., 4 " 8 in. "
4 ft. x 6 ft., 5 " 8 in. "

Not glazed, 1 1/4 in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,
Lockland, Ohio.

Mention the Review when you write.

CHRYSANTHEMUMS.

Good, strong, healthy stock of the following well-known varieties:

Mme. G. Bergmann	Rose Owen
Ivory	Eugene Dailledouze
The Queen	Wm. H. Lincoln
Mrs. Jerome Jones	Col. W. B. Smith
Etoile de Lyon	Mrs. J. G. Whilldin
Miss Minnie Wanamaker	V. H. Hallock
Golden Wedding	Maud Dean
Niveus	Chillingfordii
Minerva	Geo. W. Childs
Liberty	Bessie Burton
Bonnaillon	Modesto
Mrs. J. J. Glessner	Mrs. Murdock
Belle of Castlewood	J. G. Woodford

from 2 1/2-in. pots, \$2.00 per 100; per 1000, \$15.00

Cannas, good variety named \$2.00 per 100
mixed 1.00

Nymphaea Odorata Gigantea, strong roots 3.50 "

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Review when you write.

1840 Old Colony Nurseries, 1899
HARDY SHRUBS, TREES, VINES,
EVERGREENS and PERENNIALS.

A large and fine stock of well rooted plants, grown in a sandy loam. Good plants, best sizes for planting, very cheap.

Trade list free on application.

T. R. WATSON, Plymouth, Mass.

Mention the Review when you write.

Brilliant Green and Bronze
Galax Leaves

CHAS. H. RICKSECKER, Linville, Mitchell Co. N. C.

Mention The Review when you write.

Special Offer of HYBRID CLEMATIS



Miss Bateman. White with chocolate-red anthers.
Standish. Light Blue.
The Gem. Deep lavender blue.
The President. Bright bluish purple.

\$3.75 per dozen; \$30.00 per 100.

NEW RED CLEMATIS.

M. Koster. A bright rosy carmine, not as rich in color as Mme. Edouard Andre, but possessing the advantage over that beautiful variety of being a much stronger, freer grower, and also of being remarkably free in flowering, while Mme. Edouard Andre, though richer and brighter in color, lacks in constitution, and makes but a light growth. We have seen M. Koster under ordinary nursery culture, a height of 6 to 8 feet, in two-year-old plants, with hundreds of flowers open at one time. 85 cents each; \$4.00 per dozen.

CLEMATIS CRISPA. CLEMATIS COCCINEA.

We have a fine stock of fine two-year-old plants of the above two varieties at \$1.00 per dozen; \$7.00 per 100.

CLEMATIS FLAMMULA.

Strong two-year-old plants of this old favorite. \$1.25 per dozen; \$10.00 per 100.

Henry A. Dreer, 714 Chestnut St., Philadelphia, Pa.

Mention the Review when you write.

And Still They Come

SOUTH SIDE FLORAL CO., Springfield, Ill.
Gents:—I saw your 5000 Verbenas, just received by Brittenbaugh Bros. I want 2000 just like them. Please send at once C. O. D. Yours resp'y,
SAMUEL GASS, Allegheny, Pa.

VERBENAS—Strong rooted cuttings, 30 grand varieties, 60c per 100, \$5.00 per 1000; 5000, \$22.00.
PETUNIAS—Dreer's latest set of double fringed, true to name, \$1.00 per 100.
SMILAX—Strong, bushy seedlings, ready for pots, 50c per 100, \$4.00 per 1000. Express prepaid on the preceding stock.
ROSE and CARNATION Cuttings now ready. Clean healthy stock, well rooted, at lowest prices quoted. Send for our lists and save money. Terms cash with order.

SOUTH SIDE FLORAL CO.
SPRINGFIELD, ILL.

Mention The Review when you write.

FOR CARNATION RUST USE FOSTITE.

1,500 Dwarf Pearl Tuberoses for \$5.00
Just received—**HOLLAND ROSES**, leading sorts at low prices. Send for price list.

C. H. JOOSTEN, Importer,
193 Greenwich Street, - **NEW YORK.**

Mention The Review when you write.

Always mention the Florists' Review when writing advertisers.

Live Sphagnum Moss

For Orchids, etc., \$1.25 per bbl.

Sphagnum Moss

First quality, \$1.00 per bale; 10 bales, \$8.00.

Z. K. JEWETT & CO., SPARTA, WIS.

Mention the Review when you write.

Chrysanthemums.

We are Headquarters for all '99 Novelties. Also complete list of best commercial varieties. Our Catalogue Now Ready.

NATHAN SMITH & SON, Adrian, Mich.

Mention The Review when you write.

INSURE AGAINST THE FIRE Florists' Mutual Fire Insurance Ass'n.

ADDRESS W. J. VESEY, Sec'y,
FORT WAYNE, IND.

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SAMUEL S. PENNOCK, Wholesale Florist

OPEN DAY AND NIGHT—From 12 A. M. Mondays to 10 P. M., Saturdays.

A constant supply of SELECT VALLEY the year round. 1612-14-16-18 Ludlow St., Philadelphia, Pa.
AMERICAN BEAUTIES OUR SPECIALTY.

Mention the Review when you write.

PITTSBURG CUT FLOWER CO., Ltd. WHOLESALE FLORISTS.

Long Distance
Phone 2157.

CONSIGNMENTS SOLICITED.

No. 705 Penn Avenue,
PITTSBURG, PA.

FLORISTS' SUPPLIES.

Write for Price List.

Mention The Review when you write.

FAKE SEED ADVS.

It is about time that seedsmen generally should take some action regarding the fake advs. offering extensive collections of seeds at prices at which they cannot be honestly supplied. There seems to be an unusual number of such this season, and it would seem that reputable seedsmen who are large advertisers in the publications carrying these fake advs. should make a concerted effort to have the evil abated.

A sample recently secured of one of these collections, offered for 10 cents, was very interesting. In the various "packets" there were exactly ten seeds of cosmos, eight of sweet peas, five of cypress vine and four of nasturtium. Should every one grow there would be enough of none to be of any value to the planter and every purchaser would not only be disgusted, but would naturally conclude that other collections advertised by reputable seedsmen are cheap offers in name only. In this way a serious injury is done to all endeavoring to conduct a legitimate business, and the publications admitting such advs. to their columns should be called to account.

LOUISVILLE, KY.

Severe Hail Storm.

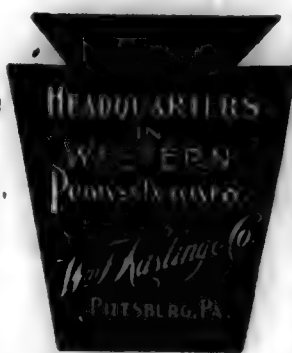
Many florists suffered serious losses in broken glass from the hail storm on March 3, between 4 and 5 p. m., it being the heaviest fall of hail ever known here.

Among those who suffered most were H. Lichtefeld, J. B. Rudy, Wm. Mann, Geo. Schulz, Henry Fuchs and C. Koenig, the last named having only 25 whole lights of glass left out of 8,000 feet. Most all the other florists lost more or less glass. In some parts of the city the hail lay on the ground to a depth of three inches, and some of the stones weighed 1½ oz. KY.

OWOSSO, MICH.—Mr. John S. Schleider, proprietor Sunnyside Greenhouses, has bought two lots downtown on which he will erect a store and conservatory.

ROSES,
Carnations
VALLEY
FERNS,
GALAX, and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

Consignments of
good stock
solicited.



We get
daily new
customers
because
we have
the
reputation
that
all orders
are
punctually
filled.

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Distance
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WM. F. KASTING & CO., F. STOKES,
Manager.

Wholesale Florists. 444 Sixth Ave.

All kinds of FLORISTS' SUPPLIES and
WIRE DESIGNS on hand.

Mention The Review when you write.

EASTER ORDERS

For GALAX LEAVES

add LEUCOTHOR SPRAYS should be
placed now. Send for information.

HARLAN P. KELSEY, Introducer,
1106 Tremont Building, Boston, Mass.

Mention The Review when you write.

Cut Flower Exchange,

404 - 412 East 34th St., New York,

NEAR THE FERRY.

Open Every Morning at 6 o'clock for the sale of
CUT FLOWERS.

Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

Mention The Review when you write.

HOUSE PLANTS IN THE HOUSE.

The PLANT trade from the point of
"business," and also the care of Plants,
treated in an attractive six-page Folder
to be given to customers.

Sample order of 25 copies mailed for 60c in stamps

Dan'l B. Long, Publisher, Buffalo, N. Y.

Mention The Review when you write.

Money Maker. Lizzie McGowan Carnation,
Rooted Cuttings must go
faster, price reduced to
\$5.00 per thousand, as good as the best. Also
Geraniums, from 2 to 2½-in. pots, best kinds,
mixed, used by the wealthy people of Trenton,
N. J., past season. Now ready for 3½ or 4-in.
pots, at \$2.50 per hundred, \$20.00 per thousand.
Cash. Sample free.

B. F. MUSCHERT, - PENN VALLEY, PA.

Mention The Review when you write.

GIVE US
A
TRIAL.
WE CAN
PLEASE
YOU.

Roses,
Carnations
and all
kinds of
Seasonable
Flowers
in stock.



WM. F. KASTING, Wholesale Com-
mission Florist,
495 Washington St., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire
Designs.

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WM. J. BAKER, WHOLESALE CUT FLOWERS,

1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

Mention The Review when you write.

EDWARD REID, Wholesale Florist,

LONG
DISTANCE
PHONE.

1526 Ranstead St., PHILADELPHIA, PA.

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Pandanus Veitchii

Clean
Stock,
Pedestal
Grown.
6-in. pots, \$1.00 each; \$12.00 a dozen. Also larger
sizes. Send list of sizes required and get rates.
Also a few white leaved plants at half price, for
decorative effects or cutting up.

JOHN WELSH YOUNG, - Germantown, Pa.

Upsal Station, Penn. R. R.

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Rose Hill Nurseries.

Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

Largest stock in America.

SIEBRECHT & SON,

New Rochelle, N. Y.

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GOLD FISH and AQUARIUM SUPPLIES.

Send for
Price List.

KEENAN'S
SEED
STORE.

6112 and 6114
Wentworth Avenue,
CHICAGO

Mention The Review when you write.

Cut Flowers

...PLACE YOUR...

Easter Orders

WITH US NOW.

WE WILL HAVE.....

Good Stock

AND ARE PREPARED
TO TAKE.....

Good Care

OF YOUR ORDERS.



Our Doves

No. 1, prime quality, at
never before
heard of
prices,

\$1.00 each

DO NOT FORGET OUR

Florists' Supply Department.

Give us a Trial Order.

A. L. RANDALL, 4 Washington St. ...CHICAGO.

Mention the Review when you write.

PALMS.

HOME-GROWN, FINE STURDY STOCK.
GROWN COOL.

	Size Pots	Height Inches	No. Leaves	Price Per 100
Areca lutescens	8	48	*4	\$200.00
" "	6	36	*3	100.00
" "	5	48	5-8	75.00
" "	5	30	5-7	50.00
" "	4 1/2	30	4-6	35.00
" "	4	20	4	25.00
" "	3	20	4	20.00
Latania Borbonica.....	6	30	†5-6	75.00
" "	5 1/2	24	†4-5	50.00
" "	5	20	†4-5	35.00
" "	4 1/2	20	†3-4	25.00
" "	4	16	†1-2	15.00
" "	3	10	5-6	10.00
" "	7	.....	.....	100.00
Phoenix Canariensis....	4	24-30	6-8	35.00
" "	4 1/2	30-36	6-8	50.00
" "	5	.....	.....	60.00
" "	5	.....	.....	75.00
" "	7	40-48	6-8	100.00
Phoenix Reclinata.....	5	36-40	5-6	75.00
" "	7	.....	.....	100.00
" "	8	48	6-8	200.00

*Plants in a pot. †Characteristic leaves.
Selaginella Emelliana, 3-in. pots, \$5.00 per 100.

J. B. HEISS, The Exotic Nurseries,
DAYTON, OHIO.

Mention The Review when you write.

Per 100

Seven Sisters\$2.50
Tennessee Belle... 2.50
Mad. Alfred de
Boumont 2.50
Bridesmaid 3.00
Climbing Meteor. 2.50
White Rambler... 3.00
Yellow Rambler.. 3.00
La France 3.50
Empress of China 3.00

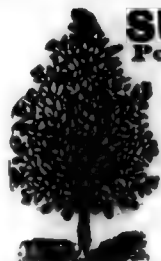
A Bargain in Roses

This stock is in 2 1/2-in.
pots and in good ship-
ping order.

JOSEPH LAHR & SONS,
Successors to G. A. Mead,
Box 280, Springfield, O.

Mention The Review when you write.

SURPLUS STOCK AT SURPLUS PRICES.



Poplars—Carolina, 6 to 8, 8 to 10, 10 to 12 and 12 to 15 feet, Golden, Silver and Lombardy same sizes. Sycamore—European, 6 to 8, 8 to 10, and 10 to 12 feet. Magnolias—Acutinata, 4 to 6, 6 to 8 and 8 to 10 feet; Tripetala, Soulangeana, and Speciosa 1 1/2 to 2 and 2 to 3 feet, six other sorts 1 1/2 to 2 feet. Maples—Immense stock, leading sorts, all sizes, 6 to 25 feet. Mountain Ash—European and Oak Leaved. Willows—Laurel Leaf, Canescens, Rosemary, Etc.
In Weeping Trees, we offer immense lot of Willows, Kilmarnock, New American, Wisconsin and Babylonica. Mulberry—Teas Weeping, the finest lot we ever grew. Mt. Ash, Out Leaved Birch, Etc.
In Vines and Shrubs—Ampelopsis, Veitchi, strong two year field grown. Clematis, Jackman, Henry, Mad. Ed. Andre, etc. Berberis—Thunbergii and Purpurea. Elder—Golden. Syringa—Golden. Spiraea—Van Houtte, Anthony Waterer, Thunbergii, etc. Lilacs—New Double Flowered in 8 varieties. Altheas, Deutzias, Snowballs, Syringas, Wiegandias, Etc., in great supply.
Roses—two years field grown, Hybrid Perpetual, Moss, Climbers, Wichuriana and Wichuriana Hybrids, Rugosa, and Rugosa Hybrids and Multiflora Japonica. Azaleas—Mollis and Pontica, fine bushy well-budded plants.
Forty-four Greenhouses well filled with Roses, Palms, Ferns, Ficus, Chinese Azaleas, Araucarias, Geraniums, Etc. Correspondence solicited. Catalogues and price lists free.

THE STORRS & HARRISON CO., Box 545, Painesville, O.

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Palms and Ferns

The Largest Stock of
Plants in the West.

Send us your name
and we will keep you
posted when we have anything special to offer.

GEO. WITTBOLD, 1708
N. Halsted St. CHICAGO.

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ROOTED CUTTINGS

Coleus, mixed colors60c per 100
Dreer's Double Petunias.....80c "
Dreer's Princess Pauline Ageratum....80c "
Cyclamen pers. giant. 2 1/2-inch pots... 3.00 "

CHRIST. WINTERICH, Defiance, O.

Altheas

Red, white and pink
double flowered
varieties. Very
fine large bushes,
6 to 8 feet high,

\$3.00 per doz. Also smaller sizes. Send for
price list of large collection of Shrubbery and
Ornamental Trees, Evergreens, etc.

SAMUEL C. MOON,
Morrisville, Bucks County, Pa.
Mention The Review when you write.

ELTZHOLTZ'S EARLY POTATO.

A wonderful new Potato that is most remarkably early
and productive, and of good flavor. It is much the best
for early forcing and is free from disease. Each hill gives
40 to 50 or more potatoes; in extra good potato ground I
have counted 70 to 80 in one hill. The growing period is
very short. It is the potato of the future. To be deliv-
ered last of April. Price \$1.00 per lb., \$4.00 for 5 lbs.
Cash must accompany all orders, or will be sent C. O. D.

H. ELTZHOLTZ, Far Rockaway, L. I., N. Y.
Mention The Review when you write.

Always mention the Florists' Review when
writing advertisers.

OUR TRADE LIST

MARCH, 1899.

CARNATION CUTTINGS.

	Per 100
ARGYLE, fine dark pink.....	\$3.00
EVELINA, best paying white.....	3.00
EMPRESS, dark red.....	3.00
GOLD NUGGET, Yellow.....	4.00
PAINTED LADY.....	2.00
MARY WOOD, white.....	3.00
PSYCHE, variegated.....	2.00
FLORA HILL, white.....	1.50
DAYBREAK, shell pink.....	1.50
C. A. DANA, light pink.....	1.50
TRIUMPH, the big pink.....	2.00
JUBILEE, scarlet.....	1.50
MAYOR PINGREE, big cream.....	1.50
ARMAZINDY, variegated.....	1.50
VICTOR, pink.....	2.00
JOHN YOUNG.....	4.00
NEW YORK.....	4.00
MRS. JAS. DEAN.....	4.00
MRS. FRANCES JOOST.....	3.50

Five cuttings at 100 rate.

PLANTS—Strong, 2 1-4 inch.

	Per 100
NEW COLEUS BROWNII, a good bedder.....	\$5.00
VELVET PLANT, a big seller.....	3.00
GERANIUM Mad. Salleri.....	2.00
" Ivy mixed.....	2.00
FEVERFEW, Little Gem.....	2.00
SOUTHERN THYME.....	2.00
IRESENE, red and yellow for Canna border.....	2.00
ABUTILON, choice mixed.....	2.00
SMILAX.....	1.00
" from flats.....	.50
HELIOTROPE, mixed.....	2.00
BEGONIA, choice mixed.....	2.00
" Erfordii.....	2.00
" Sandersonii.....	2.00
" Hybrida.....	2.00
MESEMBRYANTHEMUM ERECTUM.....	3.00
NEW YELLOW MARGUERITE.....	2.00
CHRYSANTHEMUMS, our selection.....	2.00

Five plants at 100 rate. Spot Cash.

NEW SEEDS.

	1/2 oz.	1 oz.
Lettuce—Grand Rapids.....	.05	.10
Raddish—Turnip and Lady Finger.....	.05	.10
Tomato—Dwarf Champion and Queen.....	.05	.10
Beet—Early Turnip and Long D. Blood.....	.05	.10
Watermelon—Sweet Heart.....	.05	.10
Pumpkin—New England Pie.....	.05	.10
Squash—Crookneck and Summer.....	.05	.10
Cucumber—Long Green and Chicago.....	.05	.10
Spinach—English.....	.05	.10
Cabbage—Early Wakefield, Flat.....	.10	.20
" Dutch, Stimps and Drumhead.....	.10	.20
" Surehead and Red Pickling.....	.10	.20
Cress.....	.05	.10
Carrots—Danvers and Short Horn.....	.05	.10
" White Horse.....	.05	.10
Parsley.....	.05	.10
Okra.....	.05	.10
Leeks and Kohl Rabi.....	.05	.10
Sage—English.....	.10	.20
Celery—White Plume and Pink Plume.....	.10	.20
Parsnip—Hollow Crown.....	.05	.10
Cucumber—English Forcing.....	.25	.50

NEW FLOWER SEEDS.

	1/2 oz.	1 oz.
Pansies—Mitling's Giant Flowering.....	\$1.00	\$1.00
" Yellow, White, Dark Purple, and Sky Blue.....	1.00	4.00
Mammoth Verbenas.....	1.00	4.00
Asters—Perfection, White, Pink.....	1.00	4.00
" Blue, and Mixed.....	1.00	4.00
Feverfew—Golden Feather..... packet	.10	
Daisies—Double White and Pink.....	.10	
Mignonette.....	.05	1.00
Sweet William, White.....	.05	1.00
Primula Obconica.....	.10	
Primula—every variety you want.....	.10	

No price list sent out this Spring. We only have for sale what is in this adv.

MORRIS FLORAL CO., Morris, Ill.

Mention The Review when you write.

BARGAIN. To make room at once, I offer single Violet, strong rooted runners at only \$6 per 1,000; California and Luxonne at \$3 per 1,000. Ready for immediate delivery. Cash with order.

WM. S. HERZOG, Norristown, N. J.

Mention The Review when you write.



Easter.

SPECIAL LOW PRICES
Until April 1st, 1899

Galax Leaves, Red and Green.

Per 1,000...\$.75 Per 5,000...\$3.25 Per 10,000...\$5.75

Leucothoe Sprays.

Per 100...\$.80 Per 500...\$3.50 Per 1,000...\$6.00

Orders filled in rotation.

Write for finest Catalogue of Florists' Supplies.

We carry a full line of

FANCY BASKETS, POT COVERS, PLANT STANDS,
CHENILLE, FOILS, CYCAS LEAVES, WHEAT SHEAVES.

M. RICE & CO.,

IMPORTERS AND MANUFACTURERS,

25 N. 4th St., PHILADELPHIA, Pa.

Mention the Review when you write.

The Royal Tottenham Nurseries, Ltd.,

Late of A. M. C. JONGKINDT CONINCK.

Managing Director, A. M. C. VAN DER ELST.

DEDEMSVAART, nr Zwolle, NETHERLANDS.

RARE AND NEW HARDY PERENNIALS.

	Per 100		Per 100
Anemone Sylvestris, fl. pl., young plants in pots.....	\$ 8.00	Nymphaea Laydekerii purpurata.....	\$200.00
Arnebia Echioides.....	10.00	" rosea.....	180.00
Chrysanthemum max. filiforme.....	7.50	" Aurora, each, \$7.50.....	
Convallaria maj., var. Fortin.....	1.25	" Robinsoniana, each, \$5.00.....	
Crocsmia Aurea Imperialis.....	11.00	Oreocome Candolli.....	20.00
Helenium Autumnale Superbum.....	6.00	Papaver Orient Silver Queen.....	10.00
Hemerocallis Aurantiaca Major (cultivated).....	27.50	Petasites Jap. Giganteus.....	20.00
Heuchera Alba.....	7.00	Physalis Franchetti.....	2.25
Heris Sempervirens Little Gem.....	8.00	Sagittaria Jap. fl. pl.....	20.00
Incarvillea Delavayi.....	40.00	Spiraea Aruncus var. Kneiffi.....	37.50
" Olga.....	5.00	Viola Odor, Princess of Wales.....	4.00

GUNNERA SCABRA, leaves 6 to 7 ft. across, strong plants, \$15 to \$20 per 100.

ALPINE RHODODENDRONS, strong plants, \$9.00 per 100.

Wholesale catalogue of Hardy Perennials, Conifers, Rare Aquatics, etc., may be had free on application. List of Narcissus in April.

Mention The Review when you write.



F. & F. NURSERIES, SPRINGFIELD, NEW JERSEY

Wholesale Growers TREES and PLANTS In Full Assortment.TRADE CATALOGUE FREE.

Mention The Review when you write.

Fine Perles and Wootons

In 2-in. pots, as well as Beauties, Maids, Brides, Meteors, La France and Kaiserin—now ready. Send 50 cts. or \$1.00 for samples of what you want and prices.

Carnations out of flats ready now. Can furnish Rooted Cuttings of all Roses except La France and Kaiserins. Write **GEO. A. KUHL,**

Long Distance Phone 14.

PEKIN, ILL.

Mention The Review when you write.

THE REGAN

... PRINTING HOUSE ...

Nursery
Seed
Florists'



Catalogues

87-91 Plymouth Place, Chicago.

WASHINGTON.

Business the past week has been quite lively for Lent. There have been quite a number of dinners and luncheons and instead of prices going down have kept up to the standard mark. Brides, Maids and Meteors bring \$8 to \$10, La France, Gates, Kaiserin \$10 to \$12; carnations \$1.50 to \$3.00; all bulbous stock \$2 and \$3. Harrisii are now coming in fine and go slowly at \$8. Violets are very plentiful. Every street corner is loaded down with them, but in spite of quantity they are disposed of every day. This is quite a harvest for the fakir as he pays 20 to 30 cents per 100 and sells them for 75 cents to \$1.00.

Everybody is making preparations for Easter. From present indications there will be no shortage.

Visitors: Henry Dreyer of A. Hermann, New York, and B. Eschner of the firm of Rice & Co., Philadelphia.
F. H. KRAMER.

SOCIETY OF AMERICAN FLORISTS.

Plant Registration.

Good & Reese Co., Springfield, O., have registered new rose Frances E. Willard, a seedling from Marie Guillot, and Coquette de Lyon. Growth vigorous, foliage large, height five to six feet; flower pure white, three to four inches in diameter; bud short, very durable and perfect.

Henry Eichholz, Waynesboro, Pa., has registered new geranium America, a seedling from Mars. Growth dwarf, foliage zoned, color shaded from pure white to deep rose, flowers large and round, blotched and striped so that no two appear of identical color. More floriferous than Mars.

WM. J. STEWART, Sec'y.

NEW ORLEANS.

The February blizzard played sad havoc with the gardens in this city. The giant palms that have been a feature for so many years were almost all killed or so seriously injured that they are a blemish rather than an ornament. Almost all the tea roses have been killed and the frost made a clean sweep of the annuals. Many of the florists lost large stocks which were in frames.

FT. MADISON, IA.—A fire occurred at the establishment of the wholesale seed firm of Voigt Sons. The stock was covered by insurance.

WHAT DO YOU WANT?

20,000 Cannas—Mme. Crozy, Chas. Henderson, Austria, Burbank, A. Bouvier, Queen Charlotte, 2c. Florence Vaughan, Italia, Peachblow, Alsace, 4c. Flamingo, Phila. and Maiden Blush, 8c. Pelargonium Victor, Weeping Lantana, Ampelopsis Veitchii, Golden Glow, 50c doz. Genista for Easter, 4-in.; Vinca Var, 4-in., 75c doz. Violet—Pr. Wales, \$1.50 per 100; California and L. H. Campbell, \$1 per 100, all extra strong Fall runners. Scott, McGowan and Portia R. C., \$1 per 100; Eldorado, \$1.50 per 100. l.

BENJ. CONNELL, Florist, West Grove, Pa.

ROOTED CUTTINGS
ROSES AND CARNATIONS.

ROSES.

	100	1000
Meteor	\$1.50	\$12.50
Bridesmaid	1.50	12.50

	100	1000
Bride	1.50	12.50

CARNATIONS.

PINK.	100	1000
Triumph	\$1.50	\$12.50
Wm. Scott	1.00	7.50
Painted Lady	4.00	35.00
Daybreak	1.50	12.50
Argyle	4.00	35.00
Mrs. Frances Joost	5.00	50.00
McBurney	1.50	12.50

RED.	100	1000
Dazzle	4.00	35.00
Jubilee	2.00	17.50
Bon Ton	4.00	35.00

MAROON.	100	1000
Empress	4.00	35.00

WHITE.	100	1000
Flora Hill	1.50	12.50
Mary Wood	5.00	40.00
The largest and best White Carnation that is grown. Has a strong stiff stem and a constant bloomer. Sell in the market today for nearly double any other White Carnation we handle.		
Evelina	4.00	35.00

VARIEGATED—White and Red.	100	1000
Psyche	4.00	35.00
Armazindy	2.00	17.50

YELLOW.	100	1000
Mayor Pingree	2.00	17.50
Gold Nugget	8.00	50.00

BASSETT & WASHBURN, Store, 88 Wabash Ave., CHICAGO, ILL.
Long Distance 'Phone Main 223

Greenhouses and Residence, HINSDALE, ILL. Long Distance 'Phone No. 10
Mention The Review when you write.

New Variegated
Fancy CARNATION

SANDUSKY

The earliest, freest, largest and most productive variegated Carnation ever offered to the trade. One that can be grown at a profit for two dollars per hundred blooms.

TRY IT! \$2 per dozen.
\$10 per hundred.
\$75 per thousand.

W. E. HALL, Clyde, Ohio.

Mention The Review when you write.

Flora Hill

Has come to stay. A sterling commercial White Carnation. Everyone can grow it. Best returns are on this sort. Clean stock, well rooted and full count on your orders. \$2.00 per 100, \$15.00 per 1000.
150,000 R. C. of other varieties to select from. Send for my price list and state your wants for an estimate.

WM. MURPHY, Station F, CINCINNATI, OHIO.

Mention The Review when you write.

ROOTED CUTTINGS
of New and Standard
CARNATIONS
Send for Price List.

P. O. Box 226 **WM. SWAYNE, Kennett Square, Pa.**

Mention The Review when you write.

CARNATIONS

Rooted Cuttings of Novelties and Standard varieties. Send for price list.
Also Lady Campbell, Swanley White and California Violets and Giant Double Alyssum.

W. B. SHELMIRE, - AVONDALE, PA.
Lock Box 10. Telephone connection.

Mention The Review when you write.

CARNATION CUTTINGS.

Jubilee and Triumph, the best red and pink, rooted, strong and clean, \$1.40 per 100 not rooted, strong and clean75
Albertini and Della Fox, very fine stock, rooted, strong and clean \$1.50 per 100 not rooted, strong and clean 1.00
Daybreak, Ivory and McGowan, rooted, extra strong \$1.00 per 100 not rooted, extra strong50
CASH WITH ORDER.

LE MARS GREENHOUSES, Le Mars, Ia.
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GET THE **GENESEE** If you want the best Commercial WHITE CARNATION.

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Dorothy Sweet	2.00	10.00	75.00	Gov. Griggs	2.00	10.00	75.00	Dr. Tevis	2.00	10.00	75.00
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Gen'l Maceo	2.00	10.00	75.00	Liberty	2.00	10.00	75.00	Leslie Paul	2.00	10.00	75.00
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Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/2" page, \$13.50; full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.

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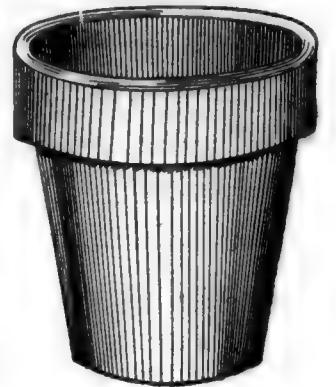
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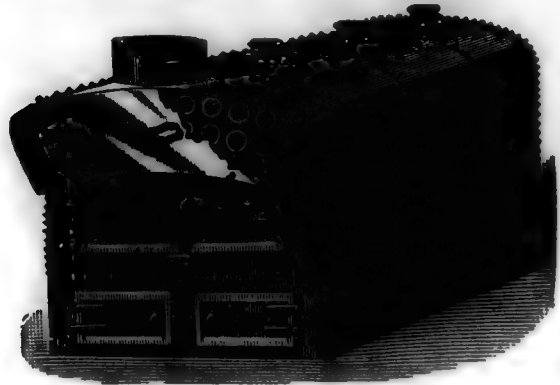
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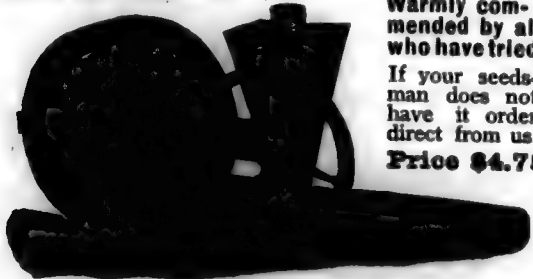
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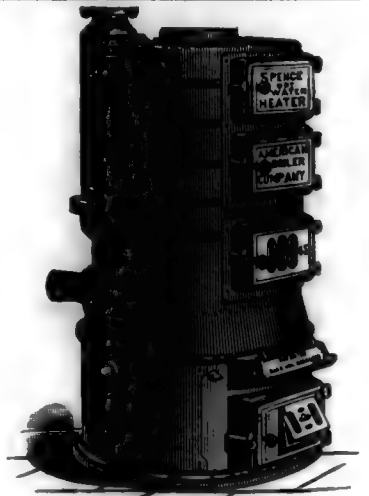
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Vol. III.

CHICAGO AND NEW YORK, MARCH 16, 1899.

No. 68.

PLATYCERIUMS.

Singular forms abound in the great family of ferns, and among these some of the most extraordinary are included in the small group of platyceriums, or Stag's Horn ferns, as they are commonly known. Though numbering

From the fact that most of the platyceriums are natives of northern Australia or other portions of the tropics, it is natural that they should be grown to the best of advantage in a warm greenhouse, or stove temperature, a night temperature during the winter of 60 to 65 degrees being best

These ferns are also epiphytal in habit, being found attached to the trunks of trees, and in this condition are sometimes imported, as for example those notable specimens of *P. grande* that were sent from Australia to the World's Fair in 1893, the specimens in question being grown on the stems of tree ferns, if my memory is correct.

Stems of certain zamias have also been sent to Europe with masses of *P. alciorne* growing upon them, and Mr. F. W. Burbidge, the well known botanist, also tells us of the magnificent specimens of *P. grande* that he saw in the East Indies growing on the trunks of orange trees, and says that some of the fertile fronds of these ferns that he measured there were seven feet long.

From these facts has arisen the custom of growing the platyceriums on blocks or in baskets, and this method provides the most effective plan to display these plants, though necessitating an abundance of water to keep them in good condition, and also some attention to prevent the ravages of thrips.

As we have already noted, -*Platycerium alciorne* is the oldest species we have, having been introduced in 1808, and is also one of the most rapid growers and easiest to manage, young plants being frequently formed on the roots of an established specimen, thus forming quite a mass of foliage around the original plant.

The wide difference in form between the barren and the fertile fronds of this plant will be readily recognized from our illustration, the barren fronds forming a complete shield around the base of the plant and hugging the roots closely, while the two or three times divided fertile fronds stand out in such a way as to remind us strongly of the horns of an elk, after which it is named.



Platycerium Alciorne.

less than a dozen species, the platyceriums form one of the most interesting groups of ferns, each of the species so far introduced being worthy of cultivation, and some of them presenting peculiarities of growth that do not appear in any other fern.

sulted to their needs, the only exception to this rule being found in *P. alciorne*, the most common and oldest species in cultivation, and which will endure a much lower temperature than that above noted without injury.

A stronger growing form of this species was introduced a few years ago from Polynesia and named *P. alci-corne majus*, the fronds of which are much broader, heavier in texture, and darker green in color. The last named is an admirable plant for exhibition purposes, being entirely distinct from the type and a very effective plant.

Another fine species, and much less common than those already referred to, is *P. aethiopica*, and which from its broad and massive looking fertile fronds has been called the Moose Horn fern. As its name indicates, this fern is a native of portions of Africa, and though introduced more than 75 years ago it is but seldom seen, probably owing to the poor success that often attends the effort to raise some of the platyceriums from spores. The fertile fronds of *P. aethiopica* grow two to three feet long, are pendent and divided into broad segments, the spores appearing in large patches at the base of these main divisions of the frond.

P. angolense is one of the latest introductions in this genus, and is very singular in form, neither the barren nor the fertile fronds being divided into the characteristic stag's horn shape. In this particular it differs from all other platyceriums, for the fertile fronds of *P. angolense* are cuneate or wedge shaped, and the under side of all fronds is covered with a thick coating of rust-colored wool. At present this species is extremely rare in cultivation, but a number of seedlings have been raised at Kew Gardens.

P. biforme is another very rare species and not at all likely to be seen in quantity or in its full development in our trade collections, from the fact that the fertile fronds of this species have been known to reach a length of 15 feet in its native home, the East Indies. But attention is directed to it here on account of the peculiarity of its fertile fronds, these being divided into many segments, and a portion only of these segments being fertile.

The fertile segments of the leaf are kidney shaped, and raised up on a stem from the main disk of the leaf, while the barren segments of the same leaf are narrow and strap-shaped, this two-formed construction of the same leaf producing one of the greatest oddities in the fern world.

The next species is *P. grande*, one of the best, and also much more often seen than some of those noted above. The young plant depicted in our illustration does not give the best idea of this species, the sterile fronds becoming much larger and more prominent with age. The fertile fronds of *P. grande* are produced in pairs, and are divided into the regular elk horn shape, the spores appearing in an irregular mass at the base of the divisions of the fronds, and at a little distance remind one of a coating of coarse snuff on the under side of the leaf. But though these spores are produced in such quantity and also

germinate with moderate freedom, yet it is not easy to get up a stock, for the majority of the sporlings refuse to grow beyond the first or prothallus state of their existence.

P. Willinckii is another very distinct and striking species, and the plant illustrated gives a good idea of the graceful habit of the fertile fronds of this fern. These latter are produced in threes, and attain a length of two to three feet, the surface of the fronds being covered with a coating of silvery scales that gives the plant a hoary appearance. The sterile leaves of *P. Willinckii* are peculiar in their short life as compared with that of the fer-



Platycerium Willinckii.

tile ones, and while remaining firmly attached to the plant these sterile leaves become brown and dry at quite an early period.

Other species are *P. Hillii* and *P. Wallichii*, both of which are distinct and valuable, though neither seem to have become common in their 20 to 40 years' existence in cultivation.

W. H. TAPLIN.

CARNATION CERTIFICATES.

I noticed with the greatest gratification the change in the scale of points for judging seedlings as adopted at the Philadelphia meeting of the American Carnation Society. It is a step in the right direction to give a certificate its true value. It shows a better un-

derstanding and appreciation of the beauty and usefulness of this more and more indispensable species of the *Dianthus* family in the flower market.

What is the value of a certificate, and what is gained by it? Nothing more or less than to tell the lovers and growers of the divine flower who have not been so fortunate as to see it for themselves and must depend on the judgment of others, that Mr. So and So has exhibited a new variety which has been judged by three experts and received so many points out of a possible hundred, designating its grade of excellence and perfection. This is, to some extent, of commercial value, for it tells the grower that the flower as exhibited is of a high character, and therefore salable. But here ends the value of a certificate commercially; certainly of more benefit to the introducer of a variety than an assurance to the purchaser of a safe investment, for it lacks the very essential points that cannot be laid before the judges, consequently not in their radius of judging, but of the greatest importance to the purchaser in order to make a safe investment; namely, habit of the variety, whether shy or free blooming, early or late, continuous bloomer or cropper, freedom from disease.

Judges like purchaser and everybody else interested have to depend on observation and the honesty of the originator or introducer, and then observations are generally confined to their own establishments. Therefore, a certificate can only relate to the worth of the flower, as it has been exhibited, and may be expected to appear in the market, but whether it can be grown with profit, involves the questions mentioned above. That certificated varieties have fallen by the wayside we all know, and also that varieties not scoring enough points to be given a certificate have attained prominence. And again, that special premiums offered were won by varieties now passed into oblivion, while competitors in the same class are yet grown. I will only relate one instance, the contest between Sea Gull and Lizzie McGowan in 1890. Sea Gull, a fine flower, was the winner, but subsequent trials proved it a shy and late bloomer, and for this reason never was disseminated, while McGowan is still grown.

Regarding the awarding of certificates I will mention an instance at the New York meeting in 1896. Flora Hill and Mayor Pingree received certificates; another candidate for the same honor was Mrs. George M. Bradt, and I will here cite the report on this variety as incorporated in the New York report: "Honorable mention was awarded to Mrs. George M. Bradt exhibited by Messrs. Fred Dorner & Son, Lafayette, Ind. This variety is similar to Helen Keller, very beautiful, but rather weak in the stem for so heavy a flower and lacking in fragrance.



Platycerium Grande.

Habit of plant good. Scored 75 points." I leave it to the reader to draw his own conclusions.

The exhibition of new varieties is the life and spice of the Carnation Society, and the interest taken in these exhibitions shows plainly that the work of the society is appreciated; it shows that new varieties are the impetus of the carnation trade, and in this light a society's certificate should not be underestimated; but it is also true that in the past undue prominence has been given to a certificate. The judges judge the product as it is put before them, and not as to how it is produced, or whether its production will be profitable. This is outside of their scope of judging, and anybody who relies on more than the judges can give, has only to blame himself when disappointment is the outcome.

For this reason I believe the revision of the scale of points for judging new varieties is a step in the right direction and gives a certificate its true value. Too much has been expected in the past, and the efforts to materialize these expectations have been misleading. In my next I will give my opinion on the revised scale.

FRED DORNER.

COMMERCIAL FERTILIZERS AND THEIR RELATION TO CARNATIONS.

BY PROF. W. E. BRITTON of the New Haven (Connecticut), Experiment Station.

[Read before the Philadelphia Meeting of the American Carnation Society.]

[Continued from last week.]

Dr. Jenkins has made a few tests at the Connecticut Experiment Station which are extremely interesting, and it may be profitable to note them here. He obtained equal quantities, by weight, each of surface soil from the

garden (which is dressed each year with a liberal quantity of mixed horse and cow manure and with fertilizer chemicals) and of fresh cow manure and fresh horse manure. A water extract was made from each separately and in equal quantities. A small quantity of nitrate of soda was added equally to each liquid and the nitrogen immediately determined. These three liquids were put in tightly stoppered flasks and kept in a closet nearly dark. From March 23 to the 28th of the following January seven nitrogen determinations were made at intervals, to ascertain the rate of loss of nitrogen. Less than 5 per cent of nitrogen was expelled from the extract of garden soil during ten months, while the extract from fresh horse dung had lost over 12, and the fresh cow manure extract over 15 per cent of the nitrogen originally contained in each.

A similar test was made with an extract of fresh horse manure and an extract of compost, such as I have already described and such as we have used in our forcing house benches. The turf and manure were mixed together in the Summer of 1894 and stood in a compact conical heap until the Fall of 1895.

Soil from which the extract was made came from the interior of this pile, at a depth of between two and three feet. From November 23 to January 28 the compost extract had lost 7½ per cent of its total nitrogen, while from the extract of fresh horse manure there had been a loss of 18 per cent. It will be noticed that a much greater proportion of nitrogen was lost from the compost than from the garden soil. The latter nearly always contains the nitrifying organisms and these were doubtless abund-

ant on the exterior of the compost heap, while the interior contained the denitrifying ones. It is, therefore, better to keep the compost in shallow heaps and to stir it frequently. If it can be kept under cover, it is all the better.

If our compost contains the denitrifying organisms, it is unquestionably better to add our fertilizers in small quantities and frequently, rather than to mix them all with the soil at starting. It would seem, too, that watering with liquid manure made from fresh horse or cow manure would be a dangerous practice, though I do not know that any experiments have been made to determine this point.

Many liquid fertilizer preparations have been used upon the carnation crop, to keep the flowers up to the standard in number and quality during the latter part of the season. I have not tried all of these and cannot say which is the most satisfactory. The preparation recommended by Professor Wagner has been used at our Station with good results and may be compounded as follows:

Phosphate of ammonia.....	2	oz.
Nitrate of soda.....	13¼	"
Nitrate of potash.....	13¼	"
Sulphate of ammonia.....	1½	"
Water.....	50	gallons

A light application each week is probably as often as it should be given to carnation plants, and perhaps once a fortnight would be still better. The amount depends a good deal on the variety and the soil.

The carnation does not seem to require an abundance of humus or vegetable matter in the soil. Plants grown in coal ashes with chemicals yielded about as well as where the soil contained 3 per cent. of peat moss. It seems, too, that the carnation does not need to be very highly fertilized. Last winter plants were set in two plots filled with coal ashes and peat moss, to which no fertilizers had been added. For the first three months these plants bloomed about as freely as the fertilized ones and the blooms were of fair quality. Toward the latter part of the season, however, the flowers were inferior. The plant food stored in the plants had become nearly exhausted. Finally, the number of blooms produced by these unfed plants was about four-fifths of that from the fertilized ones, but about half of them were too poor to be of any value.

In some pot experiments conducted more than five years ago, where a few carnation plants were fed with a solution of fertilizer chemicals, a positive injury resulted and the plants receiving little or none of the solution were more thrifty in every way. These plants were grown in a sandy loam, moderately enriched with stable manure.

So that, while we must be sure that plenty of plant food is in reach of our plants, we must not over-fertilize

them. Over-fertilization, in the first place, tends to produce a small root system. If there is plant food in abundance near the plant, there is no need of sending out manifold roots and rootlets to search for it. In this respect plants are much like men—they will not work for their food if they can obtain it without.

We want our plants to have good root systems. Over-feeding is said to cause a rapid decay of the root-hairs, through which the food is taken into the plants from the soil. These root-hairs are quickly replaced by new ones which, in turn, decay and no roots are sent out into the soil to increase the system of roots. A plant with such a small root system may make a good top growth for a time, but it usually reaches a point where the roots cannot take up moisture as fast as it transpires from the foliage. Then the plant wilts.

Perhaps some of the gentlemen present expect me to give a general formula for fertilizing the carnation plant. If there were a formula that would answer all requirements, it must needs be a good deal like some of the proprietary medicines upon the market that are said to cure the consumer, no matter what the disease. My friends, there is no royal road to success in carnation growing, or any other branch of horticulture. There is no magic formula that will fit all soils, all plants and all conditions under which they are grown.

Please bear in mind that I am only giving you an account of the experiences and observations of an experimenter, and that I have never been engaged in the commercial culture of the carnation. I cannot, therefore, presume to instruct, or advise any departure from your own practices, which are the outcome of a life experience. But I know that most growers do more or less experimenting on their own account, and possibly such may find something of interest in this paper.

In conclusion, I will say that, in general, it is better to use a complete fertilizer; that is, a fertilizer containing all of the three very important plant food ingredients—nitrogen, phosphoric acid and potash. See to it that these are all present. The quantities to be applied can only be determined by direct experiment. Soils differ so greatly in their texture and composition that the proper application for any given soil or compost might not be an economical dressing for any other soil. Then, too, carnations, like men, have racial characteristics, and some varieties will need more food than others. "Sleepiness," or the cohering of the petals, is thought by some growers to be caused by too much nitrogen. This may be entirely correct, but our experiments have not, as yet, given us any very clear indications regarding the cause of this imperfection.

AMONG PHILADELPHIA GROWERS.

Joseph Heacock.

Joseph Heacock has a fine range of 60,000 square feet of glass at Wyncote, heated by steam from a battery of four boilers aggregating 220 horse power. It is a decided convenience having the four boilers all in the same stoke hole. The place has always heretofore been heated by three of the boilers, but this winter the fourth one was necessary at times. It is always well to have more capacity than you think you will need.

Roses are largely grown here and more than half of the rose houses are devoted to American Beauty which are in fine condition. But they did not produce as continuously as usual. They did well up to Christmas and then many shoots came blind, though they are now giving evidence of a full cut later.

He has been trying grafted Brides and Maids and cannot so far see any great advantage in the grafted stock, but he will try a thousand more grafted plants again next season before deciding.

Palms are a strong feature here and there are numerous houses of the usual trade varieties all in very fine condition. His stock of kentias in all sizes is very large but he has just planted 42,000 seeds for future supply. Some extra large specimens of *Areca lutescens* in 14-inch pots were in splendid form. Referring to the tendency to use kentias so much more freely than the areca Mr. Heacock thought there was something to be said the other way as while a kentia will stand longer than an areca, a damaged areca can be brought into condition again but an injured kentia is worthless.

Cocos Weddelliana was seen in quantity and he grows them into specimens of some little size, finding an increasing call for the larger sizes.

He is using the Lonsdale evaporating pans for vaporizing tobacco. He has a few barrels of tobacco stems soaking in water and draws off the juice for use in the pans, adding a quantity of the Rose Leaf extract as occasion requires. He formerly used Nikoteen and found it effective but of late the preparation seems to have deteriorated in strength and he has abandoned it as ineffective.

He says the palm grower has his troubles as well as the grower of roses and that while the rose grower risks only one year's expense the palm grower has to risk the cost of several years' growing and the conditions of supply and demand may have materially changed in the meantime.

He grows a few cypripediums (insigne) and finds them profitable. He now has all his plants potted in pure sphagnum and finds they do much better than when in soil. He is now drying them out and will keep cool till about the middle of May when will place them out in a frame and water

freely, giving water three times a day. He says they cannot be overwatered in the sphagnum as it will absorb only a certain amount of moisture.

He has only one house of carnations, the varieties being Victor and Flora Hill. He will discard Hill and replace with White Cloud.

He is very favorably impressed with the new rose Liberty and will plant a house of it as soon as the variety is disseminated.

Edwin Lonsdale.

American Beauty is now the only rose grown by Mr. Lonsdale. This is the place at which Mme. Gabriel Luizet used to be so prominent as a spring blooming hybrid, but it lost its hold through the flowers lacking sufficient stem to meet present day demands. The same may be said of the Brunner which was also largely grown some years ago.

Begonias and crotons are much in evidence, especially the latter. He believes there is quite a future for the croton as a bedding plant. But they should not be planted out before the first week in June and should be hardened off during the month of May by the free ventilation of the house in which they are then growing. One blunder often made is to plant them too far apart in the bed. They will not fill out space as a coleus or geranium will and should be planted closely to insure a good effect.

Among the best varieties for bedding are Rothschilds, Fasciatus, Interruptum, aurea maculata and Queen Victoria. Carrieril is being tried and he thinks this will prove a good bedder. He propagates by mossing the stems of the old plants in the same way rubbers are rooted. He has about 150 seedling crotons, among which are many of very considerable promise.

Cypripediums are grown in quantity, mainly insigne, but he is devoting more space to Lawrenceanum which he finds produces as many or more flowers from a given space as insigne, though it requires more heat. Again the flowers do not come all in one crop. There are always two crops and sometimes three during the season. He has quite a number of seedling cypripediums and derives much pleasure from watching the development of these "babies."

BOSTON.

The Market.

With perhaps the exception of carnations, the market this week has maintained the even tenor of its way, with its ups and downs, according to supply and demand. Roses of the average grade have sold rather slow, with extras going much better, while there is hardly any sale for culls. From \$4 to \$6 are the prevailing prices, with better grades bringing from \$8 to \$12.50 per 100. These prices are for Brides and Maids. Meteors have had



View in the store of Mr. H. W. Field, Northampton, Mass.

their season, the advent of Jacks and Brunners having spoilt their career; \$4 to \$6 per 100 is the asking price. Jacks and Brunners easily bring \$1 and \$2 per dozen. Beauties also feel the influence of the fragrant Jack and the demand is not near so brisk as usual. From 50 cents to \$6 per dozen is the asking price.

The supply of carnations has shortened up very perceptibly, with average grades easily selling for \$2 per 100. Extras bring \$3, while strictly fancy run as high as \$6 per 100. Violets are increasing in quantity, at the expense of quality, and a drug at 30 cents per 100. A few extras will bring 50 cents. Valley plenty, selling as low as \$2. Bulb stock is very much in evidence, but prices do not change. Lilies more plenty, but of poor quality; \$1 to \$1.50 per dozen being the price

The News.

The members of the craft were much shocked to learn of the untimely death of John Montgomery, of Natick, who was killed by the cars some time Wednesday evening, presumably in the yard of the Boston & Albany railroad, while on his way to take his train home. Mr. Montgomery was the youngest of the trio of brothers who have made themselves famous as expert rose growers. John was 38 years of age, and leaves a widow.

Thomas H. Meade, a well known Dorchester florist, has accepted a position with the well known seedsmen, Joseph Breck & Son.

The annual pilgrimage of the Holland bulb growers to Boston has be-

gun. Mr. H. Vlasveld, of G. Vlasveld & Sons, was a visitor this week.

Mr. Boddington, of the Clucas & Boddington Co., is also a visitor, looking after this end of their seed business. P.

NEW YORK.

The Market.

Of course this being the middle of Lent everything is or at least is supposed to be at a standstill in the flower market, that is, of course, excepting the sale of plants for Easter. Everybody around New York expects and is making preparations for a large Easter plant trade; the only trouble experienced at present is in the matter of lilies. Longiflorums are on the average of very short growth and Harrisii are very backward. The growers are selling lilies which at this late date are not even showing bud; the consequence is that we expect a shortage of them at Easter. However, this will be met and readily overcome by an abundance of azaleas, rhododendrons, ericas, bulb stock; in fact, a limitless variety of flowering plants in which roses and primroses form no little part.

Notwithstanding the fact that business is dull there were moments during the week when a few—yes, just a few—things were scarce and hard to find. Good cattleyas and Scotts and violets to cover a dollar could scarcely be bought for fakirs' prices, but the other grades, well, here's the list: Perles, \$2 to \$4; Brides and Maids, \$2

to \$10; Meteors, \$3 to \$10; Beauty, fancy, \$25 to \$40; medium, \$15 to \$25; short, \$2 to \$5; carnations, \$1 to \$1.50; fancy, \$3 to \$4; valley, \$1 to \$1.50; hyacinths, 50 cents to \$1; jonquils, \$1 to \$2; poeticus, 50 cents to \$1; daffodils, \$1 to \$2; smilax, \$15; asparagus plumosa, \$35 to \$50; A. Sprengerii, \$15 to \$30; Harrisii, \$6 to \$10; cattleyas, \$40; violets, 25 to 40 cents; primroses, 25 to 35 cents; Swainsona, 35 cents; shamrocks scarce, the real thing priceless.

American Rose Society.

Yesterday, March 13, 1899, was a great day in the annals of New York, nay, American floriculture, for on that day the American Rose Society was launched on a new career and one which is beyond doubt destined to cause much thought. The society, or rather a very important body of rosarians, met at the Broadway Central on above date. Robt. Craig, Philadelphia, presided. Wm. Barry, Rochester, N. Y., was elected president; Benj. Dorrance, Wilkesbarre, Pa., vice president; Paul Pierson, Tarrytown, N. Y., secretary; John N. May, Summit, N. J., treasurer. Executive committee: One year, N. Butterbach, H. A. Siebrecht; two years, W. C. Egan, E. M. Wood; three years, E. Asmus and E. G. Hill.

The Florist Club.

There was a very large meeting of the Florists' Club last night. J. H. Troy presided. The medals won during the past year were given out, and W. A. Manda showed a group of his new begonia, the Double Vernon, for

which he received the club's certificate. Mr. Marquisee, Syracuse, N. Y., exhibited a vase of his fine new carnation, The Marquis, which was highly commended. After the meeting a right good social time was given the boys present.

Notes.

Mr. Wm. Plumb has resigned his position as superintendent for C. P. Huntington, and has gone on a visit to his father in England, who will be 100 years old in January next. Whilst in Europe Mr. Plumb will study the market, with a view of going into business on his return here.

Thos. Young, Jr., has almost recovered from his recent severe illness and will soon be on the bourse.

Bowling.

The bowling contest between New York and Flatbush resulted in New York being the winner. Following is the score:

FLATBUSH.

Wm. Prosser ..	119	154	132
A. Zeller ..	119	115	128
N. Dailledouze ..	99	107	117
D. Mellis ..	139	150	147
P. Riley ..	149	128	138
L. Schmutz ..	91	96	99
J. Troy ..	118	122	98
E. Dailledouze ..	142	125	150

NEW YORK.

P. O'Mara ..	147	160	158
F. Traendly ..	134	135	109
L. Hafner ..	91	97	145
E. Leuly ..	117	179	143
A. Burns ..	161	140	147
J. Manda ..	140	130	97
T. Roehrs ..	146	128	115
T. Lang ..	120	176	128

D. Mellis won the Troy prize offered for the highest average among the visiting team. The return match will be played soon after Easter. IVERA.

ST. LOUIS.

Club Meeting.

The March meeting of the Florists' Club was the best attended in the history of the club. This was our annual carnation meeting and a fine lot of them were on exhibition. Before the meeting opened quite a number of society ladies visited the rooms to look at the exhibition. This is a good feature and should be repeated. The meeting opened at 3 o'clock, with all the officers present and fifty members in attendance, and the following visitors: George A. Kuhl, Pekin, Ills.; J. W. Dunford, Central, Mo.; Alex. Wilson and T. W. Guy, of Kimmswick, Mo.; Martin Reukauf, Philadelphia; Chas. Cannon, T. Carroll and T. Peterson, St. Louis. H. G. Ude, E. W. Guy and Julius Koenig, Jr., were appointed a committee to look into the merits of the carnations on exhibition.

L. B. Eastburn, of Kennett Square, Pa., showed his two new whites, Mary A. Baker and Anna C. Eastburn, considered two good whites. R. Witterstaetter, Cincinnati, sent Opal, an improvement on Daybreak, and a very fine large pink seedling, No. 557, which attracted every one's attention.

E. G. Hill & Co., Richmond, Ind., staged America, a fine red.

Fred Dorner & Sons Co., Lafayette, Ind., had on exhibition G. H. Crane, Gen'l Maceo, Gold Nugget, Glacier and White Cloud, which made a fine group and was the centre of attraction. Frank Niquet, Patchogue, N. Y., sent a fine lot of Maud Adams, which came too late to be staged, but in good condition and was much admired by all who saw it. Miss Flick, of Fort Wayne, Ind., showed a vase of red and white seedlings.

Among the home growers who exhibited were J. F. Ammann, vase of Scott; J. W. Dunford, also Scott; Theo. Richter and F. J. Fillmore, mixed varieties; E. W. Guy, Jubilee and Daybreak, very fine; Henry Aue, a very fine vase of Eldorado and Wm. Trilow, well grown mixed blooms.

The application of W. Winter, of Kirkwood, Mo., was read for the first time. A vote was taken on "Shall We Hold a Chrysanthemum Show This Year?" and it was unanimously decided to have the show as usual. J. J. Beneke was again elected chairman of the executive committee and manager of the show. The committee will be announced in next issue and steps will be taken at once to secure the Coliseum at the most reasonable rates.

Dr. Halstedt spoke for Mr. Tom Carroll who is totally blind and at one time one of our best and largest carnation growers. He is in need, having lost everything he had. A collection was taken and quite a nice sum realized. Any further donations should be sent to J. J. Beneke, treasurer of the club, who will take charge of the fund.

There was quite a discussion on Harrisii bulbs and from the reports of the different growers about 50 per cent of them will be lost this year.

The next meeting will be our annual Rose meeting, which will be held Thursday, April 13, at 3 p. m.

The Market.

Trade in cut flowers the past week was very good and flowers of all kinds plentiful but still up in price. Beauties, first class choice stock, are scarce and in demand, and bring \$35; Meteors, Brides and Maids, \$4 to \$6; Perles and Wootons, \$3 and \$4; carnations are piling up at the commission houses and sell at 75 cents in 1,000 lots; in small lots of 25, \$1.50 and \$2; some fancy stock bring \$3.

Bulb stuff is in better demand just now. Harrisii and callas sell at \$10 and \$12.50; Romans and tulips, \$2 and \$3; Dutch hyacinths, \$3 and \$4 and freely called for; daffodils had a great call last week at \$2 and \$3; valley is in fair demand at \$3. Violets are selling well but at low prices, owing to the large quantity; small singles sold as low as 50 cents per 1,000, and California at \$2.50 per 1,000. Doubles sell slow. Sweet peas are becoming plentiful at 75 cents per 1,000; forget-me-nots, \$2 per 100; smilax a little scarce at \$12.50.

News Items.

Visitors in town last week were G. M. Kellogg, Pleasant Hill, Mo.; George A. Kuhl, Pekin, Ills.; Joe Rolker, New York; Martin Reukauf, Philadelphia; Jno. F. Geary, representing T. F. Leonard, Chicago.

Jordan Floral Co. made a fine decoration at the fiftieth anniversary of the Wm. Barr Dry Goods Co. About 10,000 daffodils were used, also plants, wild smilax, sheaves of wheat and two large floral designs.

Ellison & Tesson had the Lawson carnation on exhibition at their store last week, which drew good crowds; \$9 per dozen was the price.

Harry Rieman is reported very sick at his home and Mr. Wm. Adles, formerly with Chas. Shoenck, is running the place for him.

Bowling.

The Bowling Club had eight men rolling Monday night. C. A. Kuehn as usual was our high man in the four games, rolling with an average of 170. Fred Weber made the high single score with 222. The scores were as follows:

	1	2	3	4	Tot.	Av.
C. A. Kuehn	169	168	156	187	680	170
F. C. Weber	138	125	124	222	609	152
Carl Beyer ..	162	140	164	140	606	151½
J. W. Kunz	142	149	166	133	590	147½
C. C. Sanders	129	112	178	128	547	137
J. J. Beneke	126	143	139	134	542	135½
John Young	132	136	135	100	503	126
F. J. Fillmore	103	142	84	135	464	116

J. J. B.

CHICAGO.

The Market.

The supply is somewhat larger and prices a trifle easier than last week, but on the whole trade is holding up exceedingly well for the season. The recent warm weather was largely responsible for the increase in the supply, and as this has been succeeded by colder and darker weather the increase may be checked soon.

As to the outlook for Easter there is quite a variety of opinions, but all seem to agree that there will be a satisfactory supply of carnations. Many look for a shortage of good roses. A good deal of guessing is being done on the Lily outlook. A majority of the dealers think there will be a pretty good supply when all the growers are heard from, but there are reports of various lots of longiflorum that are apt to be too late. A great deal will depend upon the weather for the next two weeks.

Kennicott Bros. Co. are receiving some G. H. Crane carnations from Dorner & Sons Co. that are superb. They leave nothing to be desired as a scarlet carnation.

E. C. Amling is receiving some valley that will rank with the best to be seen anywhere in the country.

Various Items.

The second annual musical entertainment of the Florists' Club will be held at Handel Hall, 42 Randolph St., at 8:30 p. m., tomorrow evening

(March 17.) Admission will be free to florists and their friends. Tickets may be had of any club member. A most attractive program has been arranged and an enjoyable evening is assured. The farce-comedy, giving views of a commission house in action promises to be a gem.

PROGRAM.

Solo—"Because I Love You, Dear"..... Wm. J. Coxe
Song—"Let Me Kiss Your Tears Away"..... Miss Esther Isles
Recitation Miss Kennicott
Solo—"Ben Hur"..... Miss Root
Skirt Dance Miss Nettle Paul
Selection Club Quartette
Solo Chas. Balluff
Recitation C. Kohlbrand
Cake Walk..... Misses Annie and Nettle Paul
Piano Solo Fred Hill
Selection for Violin and Piano..... Misses Grant
Selection Club Quartette
Piano Solo..... Maudie Westman
One Act Farce "Wind-up." Make it Live-ly." Scenes in a Wholesale House.

Reinberg Bros. will have a lot of pot roses for Easter.

A large force of carpenters is still at work at E. H. Hunt's. Bassett & Washburn and Prince & Co. expect to move in shortly after Easter.

McKellar & Winterson are offering genuine-peat imported from Germany, for azaleas, ferns, etc. It is very different from what is gathered here and called peat.

Lloyd Vaughan has taken the western agency of Hagemann & Meyer, Philadelphia, who represent some of the largest bulb growers in the world.

Mr. A. Lange had a vase of the Mrs. Lawson carnation as a window attraction this week.

Bowling.

Following are the scores and averages made in the medal games last Friday evening:

	1st.	2d.	3d.	4th.	Av.
A. Henderson ..	147	132	157	133	142
Geo. Asmus ..	143	162	136	113	138
G. Stollery ..	138	147	127	...	137
G. L. Grant ..	133	144	140	129	136
P. J. Hauswirth ..	123	141	148	132	136
C. W. McKellar ..	145	130	120	145	135
J. S. Wilson ..	136	131	136	...	134
E. F. Winterson ..	121	121	152	141	133
F. Stollery ..	124	130	126	...	126
Jas. Hartshorne ..	124	100	137	...	120
W. Kreftling ..	100	135	...	...	117
Jno. Degnan ..	128	111	106	115	115

The results of the medal games to date are as follows:

	Points.	Games.	Av.
Geo. Asmus ..	3,038	20	151
John Zech ..	282	2	141
J. S. Wilson ..	2,672	19	140
G. Stollery ..	1,511	11	137
F. Stollery ..	1,462	11	132
G. L. Grant ..	1,595	12	132
P. J. Hauswirth ..	1,955	15	130
E. F. Winterson ..	2,182	17	128
C. W. McKellar ..	2,153	17	126
C. Balluff ..	1,010	8	126
A. Henderson ..	2,504	20	125
J. Hartshorne ..	1,349	11	122
Jno. Degnan ..	912	8	114
W. Kreftling ..	1,812	16	113
A. Lange ..	1,675	14	112
H. C. Rowe ..	853	8	106

PHILADELPHIA.

Various Notes.

The Florists' Club held its regular monthly meeting in the club room at Horticultural Hall, Tuesday evening, March 7th. W. P. Craig, President of the American Society, read a paper entitled "Latest Facts About Carnations."

Mr. Cook, representing J. H. Small & Sons, of Washington, was among the visitors in town the past week. He was in search of large palms as well as flowering stuff for Easter.

The retailers report trade as being somewhat better the past week, with lots of funeral work on hand. Also some orders from the seaside resorts.

There was little or no change in market prices. Bulbous stock is very plentiful in all lines except in Easter lilies, which are mostly all sold or at least the orders have been already placed for them. Some of the large growers report being sold out of azaleas also.

Mr. Walter Mott is the proud possessor of another young daughter. However, Mr. Mott has not as yet been able to welcome this little visitor as he is off on an extended Easter tour. R.

BUFFALO.

Business Conditions.

This quiet Sabbath of March 12 has been a soft, warm day like unto June, but unlike it in the respect that before another revolution of our sphere a Western blizzard will be upon us, with its beautiful Montana attributes of wind, snow and ice.

Business is only so so, very conservative, and our worthy townsman, Mr. D. B. Long, would be better able to correctly report it in his abbreviated commercial style which would read doubtless this way: "Prices firm; a weakening of prices is scarcely noticeable in any staple article and an upward tendency along all lines is characteristic of the week's operations." Whenever we are blessed with fine days we notice a marked increase in the transit trade.

The buds that have survived this terrible winter and in their little selves contain the flower and fruit of the future are not the only thing that feel the warmer sun and lengthened days of spring. All nature, including ourselves, is exhilarated when signs of spring approach. The notes of the first robin sitting on a nearby apple tree which is usually heard here this month (you generally hear it when in bed when you ought to be up) or the first chirp of a toad in some neighboring pond or stream, is sweeter music than a Sousa march or Melba's song. And this joyous, frisky, want-to-do-something kind of a feeling pervades all animated nature and in thousands of cases it takes the laudable and virtuous trend to go and buy a plant. There will be lots of it this spring. The terrible winter has frozen many a plant that a good matron had watched over for years, dividing her heavenly care and patience between the canary and her geraniums.

I visited several of our friends within a few days, including J. H. Rebstock, W. Belsey, J. C. Pickleman, Wm. Legg, Mrs. Newlands and Neubeck & Meyers. It is my impression that not for many years have lilies been so scarce. It is not alone that

Easter is very early and the winter has been a "corker," but the lilies we have early enough are a yellow-streaked, knock-kneed, Cuban-patriot looking lot of things. The disease is well spread and all are afflicted. In other Easter stuff there will be plenty for everybody.

Notes.

The Buffalo delegation returned home from Detroit; no interview yet with the Professor, but Mr. Billy Kasting says he thinks it was a most industrious meeting and the only evidence to the contrary is that he also reports that the Ananias Society held two sessions.

We were not a little startled recently to see suddenly within a few feet of us Mr. George Saltford, of Poughkeepsie. He had been too many days away from home to retain the odor of violets, but an hour's chat about them and kindred subjects was much enjoyed.

The veteran Mr. John Breitmeyer, of Mt. Clemens, gave us a short call. We are glad to see one who has worked so hard and done so much for the business be in the happy position of "taking it easy."

The only visitor of late who strolled as far as Cold Springs was Mr. Walter Mott. Mr. Mott represents Henry A. Dreer, Inc., of Philadelphia and River-ton, N. J. Mr. M. has visited our city before, when I am not certain, but it was since the war and he promised to come again.

I have to record with regret that on Tuesday, March 7, Miss Eliza Denton, of Fredonia, suddenly died while sitting in her easy chair. She had received a severe injury some three weeks previous by the fall of a lump of ice from the roof of her greenhouse shed, but was entirely recovering from that. The papers said it was heart failure; a heart that had beat for near 60 years with justice, love, fidelity and enthusiasm for all her fellow creatures. Miss Denton was a unique and remarkable little woman. In horticulture she was an enthusiast. She loved flowers and their cultivation if ever they were loved; for their sweetness and their character more than for what they were worth in money. Besides her greenhouse she cultivated several acres of almost unequalled fertility and on this raised seeds of many of our most popular annuals. The "Risley Flat" smilax was one of her industries. She was a good, sweet little woman and many others could be better spared. W. S.

CINCINNATI.

Club Meeting.

The regular monthly meeting of the Cincinnati Florists' Society was held last Saturday evening. The weather being favorable there was quite a number of the craft present. The visiting brethren were Theo. Bock, Hamilton, O., and E. G. Hill, Richmond, Ind. The latter gave us an in-

teresting talk on New Carnations. After the regular business was transacted the long postponed election of directors took place and resulted in placing the following members in harness: E. H. Giesy, Aug. Hoffmeister, Frank W. Ball, Geo. S. Bartlett and Henry Schwarz. They will be installed at the next regular meeting of the society.

Exhibition.

The exhibition of cut flowers was a special carnation show and proved equal to any display previously given at the club rooms.

E. G. Hill & Co. showed White Cloud, Gold Nugget and America. The latter captured the \$5 prize offered by E. G. Gillett for the best 100 blooms, any variety. Wm. Rodgers staged Emma Woher, Bridesmaid and Evelina. He was awarded the \$5 prize offered by Witterstaetter for the best 50 Evelina. A. Sunderbruch's Sons showed Evelina and Tidal Wave both in fine shape.

R. Witterstaetter had a fine display of seedlings, also Mrs. Geo. M. Bradt and his new pink carnation Opal, which was greatly admired. He carried off the prize of 1,000 rooted cuttings offered by Wm. Murphy for the best general display of carnations.

F. Dorner & Sons Co. displayed G. H. Crane and a new pink Genevieve Lord on the Daybreak order, though darker in color and a larger flower.

Wm. Murphy had a fine collection of standard varieties too numerous to mention. Henry Schwarz exhibited a sport of Daybreak, also a vase of Harrison's White. C. C. Murphy also had a sport of Portia almost a pure white, possessing the blooming quality of its parent. Of course George & Allan were on hand with a fine display of roses and bulbous stock which could not be surpassed.

Business Review.

Business has been fairly good for the past week, all stock bringing a fair price except violets which are a glut on the market. Bulbous stock has checked up a little and is going at better figures than heretofore. Carnations are becoming more plentiful each week and are now held at from \$1.50 to \$3 per 100.

The prospects for Easter are very encouraging, although from the present outlook we are likely to be short on roses. Teas are now bringing from \$4 to \$6 per 100. First class Beauties are rarely seen at the wholesale houses and when obtainable sell readily at \$5 per dozen. Harrisii have dropped to \$12.50; callas \$8. Smilax is still scarce and held at \$15.

Notes.

Julius Baer and the Walnut Hills Floral Bazaar have entered into partnership. Both stores will be run as heretofore, but will henceforth have Jones down town most of the time.

W. A. Mann, of the Cincinnati Cut Flower Co., was married last Thursday to Miss Emma MacFall. Congratulations are now in order.

The writer received a letter from W. S. Bell, of Lexington, Ky., in which he states that on Friday, the 3rd inst., he suffered a severe loss from hail. Mr. Bell says his loss on glass alone is \$3,500. His entire stock was ruined, as the thermometer was 2 degrees below zero at the time. His many friends among the craft extend their sympathy, for they all know what a hail-storm means to a greenhouse man.

B.

WASHINGTON.

No change of prices from last week. Business has been good, stock plentiful and of the best quality. Bulbous stuff is plentiful and quality good, and in fair demand.

J. M. Thomas, for years with N. Studer, has joined the florists of Center market, and occupies the stand formerly occupied by Mrs. Colman.

Mr. W. F. Gude has just returned from Detroit. He was much pleased with his trip and still more delighted to find that his brother, Mr. A. Gude, was presented with a pair of fine boys during his absence. A good grower can certainly raise Gude (good) boys.

H. Von Zonneveld, of Sassenheim, Holland, and Paul Berkowitz, of Bayersdorfer & Co., Philadelphia, were recent visitors.

F. H. KRAMER.

RUDBECKIA GOLDEN GLOW.

3½-in. pots, \$4.00 per 100; 200, \$7.00, hardy Perennial Phlox. The Pearl, Miss Lingard and others. Field grown Clumps, \$4.00 per 100. 1000 Geraniums, 2½-in. pots, mixed or named, \$2.50 per 100; 1000, \$18.00; A. Ricard, La Favorite, Double Grant, Poitevine and others. Giant Paris Daisies, white and yellow, 8 and 4-in. pots, \$3.00 per 100. Will exchange for good Pansies, Rex Begonias, Coleus, or young roses, or what have you?

C. G. NANZ, OWENSBORO, KY.



Carnations = ROOTED CUTTINGS....

FINE STOCK.

Daybreak, \$1.50 per 100, \$12.00 per 1000
Wm. Scott, 1.00 " 7.50 "
Cash with order.

C. SOLTAU & CO.
199 Grant Ave. JERSEY CITY, N. J.

Plants - Plants

OUR MAMMOTH VERBENA PLANTS are now ready, they are fine strong plants and will surely please you, at \$2.00 per 100, \$18.00 per 1000. We still have plenty of Verbena Cuttings. Also notice our Carnation Ad. They are fine. This Ad. will appear after this in our regular Ad.

C. HUMFELD, Clay Centre, Kan.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

FOR RENT OR SALE—First class retail stand, 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

FOR SALE—Retail store, with greenhouse attached; excellent opportunity for good up-to-date man; reason for selling, ill health. Address Western, care of Florists' Review.

SITUATION WANTED—By good rose grower and general florists' stock. Address L. C., care of Florists' Review.

SITUATION WANTED—By a florist; experience in both Belgium and America; single; age 35 years; commercial or private. Address Chas. Waterman, Atkinson, Ill. Box 143.

WANTED—A good A1 market gardener, well up in celery growing. State lowest wages expected with board. Address Gardener, care of Florists' Review.

SITUATION WANTED—By young man, age 27; experienced in general greenhouse work; is sober and reliable. Address M., care of Florists' Review.

SITUATION WANTED—As foreman, by a first-class grower of roses and cut flowers; good propagator and general plantsman. Open for engagement to suit employer. Single. Best of references. Address Foreman, care of Florists' Review.

A BARGAIN! A good chance for the right man.

Retail Floral Store on one of our side business streets for sale at a bargain. Don't write unless you mean business. WM. F. KASTING,

495 Washington St. BUFFALO, N. Y.
Mention The Review when you write.

WATCH OUR ADVS!!

Asparagus Sprengerii, green and bushy, 4-inch pots, \$1.50 per doz., \$12.00 per 100.
Flamingo Canna, 4-inch, 75c doz., \$5.00 per 100.
English Ivy, Weeping Lantana, Blue Spirea, Little Gem Calla, 2-inch pots, \$2.00 per 100.
Leading Carnations, prices on application.
Cash with order.

RONEY BROS., Florists, West Grove, Pa.
Mention The Review when you write.

CUT PRICES! CUT PRICES!

Special Low Price for Easter on Galax Leaves, Moss, Wild Smilax, Sand for Propagating, Laurel, Hardy Ferns, Palm Leaves, Cape Flowers, Palmettos. Get our prices at once.

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Send Advs. Quick for the

Special Spring Number... OF THE Florists' Review

TO BE ISSUED

NEXT WEEK.

Increased Value
But no
Increase in Rates.

SEND
COPY
AT ONCE

The Imperial Violet.

Number of plants in full bearing, 2,970
No. of No. 1 Violets picked in October.....30,500
" " " " November.....38,500
" " " " December.....39,000
" " " " January.....28,595
" " " " February.....33,500

Average per plant of No. 1 blooms, almost 57

Isn't this a pretty good record? And for these I received from \$2.50 to \$1.00 per 100. Can you equal this? And the plants are still throwing as many flowers, if not more than ever.

I cannot begin to supply the demand for this superb violet; the way things look now, I shall not be able to supply the demand for rooted cuttings. If you get left, you will only blame yourself. My new book on Violet Culture goes with every order for cuttings.

The violet is the largest, most double, longest stemmed, color so dark as to look almost artificial; healthy; and as the record shows, a very free bloomer. The parent plant of this magnificent variety gave me 118 of the finest flowers you ever saw.

Price per 1,000...\$90.00 Per 100.....\$10.00
per 500... 45.00 Per dozen... 1.50

Rooted Cuttings will be delivered as the weather will permit. Now ready, about 5,000. Address

W. L. MINOR, 588 Belmont St., BROCKTON, MASS.

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The Cottage Gardens,

C. W. WARD, QUEENS, L. I.
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WHOLESALE GROWERS

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H. W. BUCKBEE Seed Specialist,

**Rockford Seed Farms.
Forest City Greenhouses.**

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Special Prices Upon Application.

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FINE HEALTHY STOCK CHEAP.

Per 100
Sweet Alyssum—double, 2½-in. pots.....\$2.00
Chrysanthemums—new and standard varieties 4.00
Geraniums—double Grant, 2½-in. pots..... 2.00
Geraniums—Snow on the M'tn, white leaved. 2.50
Heliotrope—finest dark, 2½-in. pots..... 2.50
Salvia—new Clara Bedman, fine plants..... 2.00
Coleus—Verschaffelti and Golden Bedder.... 2.00
CASH WITH ORDER, PLEASE.

NICHOLAS AMOS, - Crestline, Ohio.

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Special Offer for ONE WEEK ONLY.

Asparagus Plumosus Nanus Seed, every grain guaranteed germinative, per 100, \$1; per 1000, \$8, delivered. Kentia Forsteriana Seed, per 100, 65c; per 1000, \$5, delivery included. Send for our new list **Special Offers** in Spring and Summer Bulbs, Roses, Clematis, Dahlias, etc. Address **H. H. BERGER & CO.,**

(Established 1878) 47 Barclay St., NEW YORK.

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PANSIES. Fall Sown Seedlings. Nice Stocky Plants.

50c per hundred, 60c by mail.

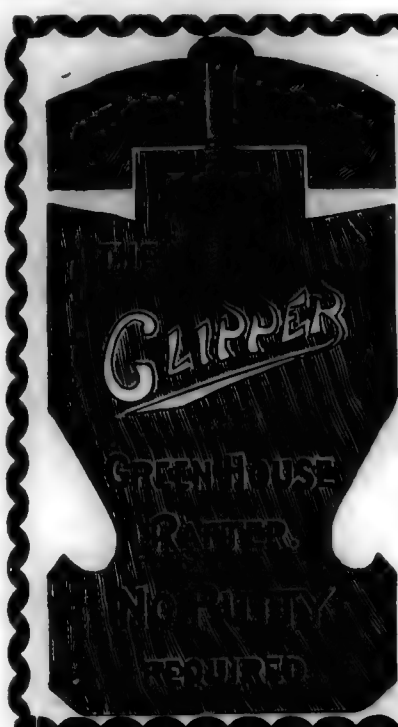
Walnut Hill Greenhouses,

E. G. BUNYAR, INDEPENDENCE, MO.

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Butted Glass.

This is no longer an experiment, it has come to stay. There are various ways of making Butted Roofs, but the best way is with the

Clipper Bar.

With this bar you can make a roof that is absolutely free from drip, and glass cannot be torn out by the wind. Butted glass makes a tight roof, a warm house and saves fuel. It lasts longer, looks better and costs less than the old-fashioned roof. But do not think that this is the only bar we sell, for it is not; we furnish what people want and there is nothing in greenhouse material that you cannot get from us, and all of open-air-dried Cypress clear of bright sap, stained sap, knots and all other defects.

Lockland Lumber Co.

Write for Circulars
or Estimates.

Lockland, Ohio.

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FOR THE ASKING.

Exclusive Importers and
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SELECT SEEDS

For Florists and Market Gardeners.
Wholesale Catalogue sent on application.

Semple's Aster, choice strain, pink, white and lavender, ¼-oz., 40 cents; oz., \$1.50

W. C. BECKERT, Seedsman, Allegheny, Pa.

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Small Fruits, Grapes, Shrubs, Climbing Plants, Roses, Evergreens, Hardy Plants, Pæonies. Largest and choicest collections in America.

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Descriptive Illustrated Catalogue free.

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MOUNT HOPE NURSERIES, Rochester, N. Y.
Fifty-ninth Year.

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Burpee's Seeds Grow

Novelty

and a good one, Ageratum Blue Perfection, fine foliage and large, well colored flower, for pots or borders, 2½-in., strong, 50c per doz., \$3.00 per 100. **CANNAS**, strong, 1 to 3 eyes, red leaved, \$1.00 per 100, \$3.00 per 1000. Named—Egandale, America, Queen Charlotte, Vaughan, Crozy, Italia, Austria, Chas. Henderson, Berat, etc., \$2.00 per 100, \$15.00 per 1000. Seedlings with leaves 6-in. high from above varieties, \$1.00 per 100, \$8.00 per 1000. Good mixed, 1 to 3 eyes, \$1.00 per 100, \$3.00 per 1000. Also Carnations, Geraniums, Coleus, Chrysanthemums, etc. Let us price your list.

RICHARD INSALL,

Lock Box 514, West Moorestown, N. J. Near Phila.

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CRABB & HUNTER,

Violet Specialists.

CARNATIONS.

Orders received now for Spring delivery of A1 stock such as produces a crop—Marie Louise, Farquhar and Lady Campbell. Rooted Cuttings of Flora Hill, Evelina, Painted Lady, Firefly, Pingree, Morello and other standard varieties.

GRAND RAPIDS, MICH.

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Publishers of Credit Lists.

Reports Furnished.

Correspondence Solicited.

MADISON, N. J.

Club Notes.

The announcement that Mr. C. Butterbach, of Oceanic, N. J., was to talk on carnations at the March meeting of Morris County Gardeners and Florists was sufficient to draw a large attendance, whilst the exhibitions of carnations in addition combined to make the occasion a real carnation night and one of practical benefit to all growers.

President Duckham was in the chair and after preliminary business, including four nominations for membership, he introduced the essayist of the evening.

Mr. Butterbach had prepared a most thorough paper, giving terse but practical instruction in the many small, but as he said most important details that carefully observed went to make up the sum total of success. It is needless to enlarge upon things that are matters of common knowledge, but in regard to stock propagating the lecturer strongly insisted upon the desirability of having it specially grown for the purpose as being in all respects better than to have to take such cuttings as one could get from plants required to produce all flowers possible. He had also made a careful trial of inside versus outside grown plants, and pronounced strongly in favor of the former, substantiating his arguments with some carefully tabulated results of his trial.

An interesting discussion ensued in which President Duckham bore out the lecturer's remarks as to inside grown stock. He had grown all his plants inside and should continue that culture by reason of the all round superiority of the flowers.

By general consent the vase of carnation The Marquis, sent by Mr. L. E. Marquisee, Syracuse, N. Y., was considered the finest carnation exhibit ever brought before the society and richly merited the certificate awarded.

In the monthly competitions Mr. W. Duckham and Mr. J. Jones were both represented by an exhibit of six varieties, the former scoring 14 points and the latter 12 points. Mr. Jones was also very highly commended for a superb exhibit of fine violets in three varieties, Farquhar, Marie Louise and California. A. H.

SALT LAKE CITY, UTAH.—The floral establishment of F. W. Wiedermann on Atlantic avenue was recently destroyed by fire. His loss is estimated at \$10,000 with no insurance.

Lady Dorothea..

Winner of Silver Cup as best New Rose—Chicago Chrysanthemum Show, November, 1898. Also Certificates of Merit—New York and Toronto.

The Florists' Rose, a free bloomer, always an attractive and selling color. No bull heads.

1 plant 50c; 12 plants \$4.00; 100 plants \$25.00; 250 plants \$50.00; 500 plants \$75.00; 1000 plants \$125.00

JOHN H. DUNLOP, Toronto, Canada.

Mention The Review when you write.

Dahlia Camelliaeflora...

Illustrated in Florists' Exchange August 13, 1898, and in Florists' Review January 26, 1899.

This variety is particularly good for Spring sales as pot plants and is an abundant bloomer, valuable for cut flowers, and does not exceed 2 feet in pots or in field. The blooms are bold, clean cut, pure white, with very full center. Good, strong plants out of 2½-in. pots, \$1.50 per doz.; \$10.00 per 100. Will be in best condition for delivery April 10th. Orders booked now and filled in rotation. Cash with order.

A. L. MILLER, Jamaica Ave., Brooklyn, N. Y.

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DAHLIAS

By
the
Tens
of
Thou-
sands.



My prize winners carried off the highest National honors yet awarded the Dahlia—a diploma and gold medal at the Omaha Exposition. Get my catalogue before ordering elsewhere.

Box 382. **W. W. WILMORE, Denver, Col.**

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ANTON SCHULTHEIS, P. O. Box 78...
College Point, Queens Borough, N. Y.

HEADQUARTERS FOR
PALMS and Decorative Plants in Quantity

Come, see
and con-
vince yourself. **Ericas (Heather), also Full
Line of Other Flowering Plants**
Price List on Application.

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Asparagus Plumosus Nanus.

Per 100.
1000 Asparagus Plumosus Nanus, 4-in. pots, \$15.00
1000 " " " 5 " 18.00
200 " " " 7 " 25.00
300 " " " 8 " 35.00
Asparagus Seed, home grown, \$1 per 100, \$9 per 1000
Write for prices on Carnation Cuttings.

W. F. Kastling, 495 Washington St. Buffalo, N. Y.

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50,000 Rooted Cuttings

Per 100
Begonia Incarnata Gigantea.....\$2.00
" Rex, mixed, Mrs. Pollock..... 2.00
" Rex, 30 named varieties..... 4.00
Coleus, 50 varieties..... 1.00
" mixed.....\$5.00 per 1,000..... .60
" separate colors, 6.00..... .75
Ageratum, Geraniums, mixed..... 1.00
Geraniums, separate kinds..... 1.50
" bronze, lemon verbena..... 1.50
" silver leaf, rose scented..... 1.50
" Mme. Sallerii, Vinca var..... 1.25
Impatiens Sultana, assorted..... 2.00
Pelargoniums, assorted, named..... 4.00

POTTED PLANTS.

Begonia Incarnata Gigantea.....2½-in. 4.00
" Rex, mixed..... 4.00
" Rex, 30 named varieties..... 6.00
Cinerarias, best strains..... 3.00
Asparagus Plumosa Sprengerei..... 6.00
Impatiens Sultana..... 3.00
Geraniums, Silver Leaf..... 4.00
Lemon Verbena..... 4.00
Forget-me-not, winter flowering..... 3.00
Vincas Var., 2-inch, 3-inch, extra.....\$2.00 to 4.00

Write for prices on other stock or for large quantities. Terms Cash or C. O. D.

GREENE & UNDERHILL,
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To arrive beginning of April --

Laelia Anceps, L. Anceps Alba,
and **L. Autumnalis.**

Lager & Hurrell, Growers and Importers.... Summit, N. J.

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W. S. HEFFRON, Mgr.

Price List taking effect Thursday, March 16.

ROSES.

Am. Beauties, long, per doz.	\$4.00—\$5.00
“ medium, per doz.	2.00—3.00
“ short, per doz.	1.00—1.50
Meteors, Maids, Brides and Kaiserin, per 100,	4.00—6.00
Perles.	4.00—5.00
Roses, seconds, average.	4.00—

CARNATIONS

Are Our Specialty. Per 100

Fancy varieties, fancily grown.	\$3.00—
Ordinary varieties, fancily grown.	2.00—
Ordinary varieties, average stock.	1.50—

Miscellaneous.

Marguerites	per 100,	.60—
Mignonette	“	2.00—3.00
Forget-me-not	“	1.00—
Callas	per doz.,	1.25—1.50
Harrisii	“	1.50—
Romans	per 100,	2.00—3.00
Narcissus	“	3.00—
Daffodils	“	2.00—
Tulips	“	2.00—4.00
Valley	“	3.00—4.00
Violets	“	.50—.75

Decorative.

ASPARAGUS.

Per string.	\$.50—
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FERNS.

Per 100, 25c	per 1,000, \$2.50
Maiden Hair.	per 100, \$1.00—

GALAX.

Bronze and Green, per 100, 15c	per 1,000, \$1.00
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SMILAX.

Common	per doz.,	\$1.50—\$3.00
Wild, Parlor Brand case.		3.75
“ Medium case.		5.50
“ Large case.		8.00
“ —Order now for Easter.		

All other flowers in season at lowest market rates.

Above quotations are subject to change without notice. P. and D. at cost.

Extra select and inferior qualities charged for according to value.

Store open from 7:00 A. M., until 6:30 P. M. Sundays and Holidays closed at noon.

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CLEMATIS.

Large flowering, either dormant or growing in pots, strong, healthy, home-grown plants, 10 leading sorts, \$2.50 per dozen, \$20.00 per thousand.	
Downing Gooseberry, 25,000 1 and 2 yr., very low.	
H. P. Roses, leading kinds.	\$1.50 doz., \$10 per 100
Monthly Roses, 4-in., fine plants	1.00 “ 8 “
“ plants	1.00 “ 8 “
Pæonies, best market sorts.	1.25 “ 8 “
Smilax, strong, fine plants, 3-inch.	2 “

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McKellar & Winterson

WHOLESALE FLORISTS,

45-47-49 Wabash Avenue, - - CHICAGO.

OUR SPECIALTIES:

Ques. Why do the florists increase their orders on Evans-ton Carnation Cuttings?

Ans. Because they know a good thing when they see it.

Full line FLORISTS' SUPPLIES, Seeds, Bulbs, Hardy Stock.

Write for Catalogue.

Orchids, High-Grade Roses, Carnations and Violets.

Blooming Plants for EASTER -- Send for Price List.

Mention The Review when you write.

Bridesmaid excelled **MAID OF HONOR**, formerly called MISS CLARA BARTON
by this NEW ROSE....

Plants in 2½-inch pots NOW READY. Price — per 100, \$15.00; 50 at 100 rate. per 1000, \$125.00; 250 at 1000 rate.

HOFFMEISTER FLORAL CO., 813 Elm St. CINCINNATI, O.

For sale also by

E. G. HILL & CO., Richmond, Ind., and F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

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ESTABLISHED 1802

THORBURN'S SEEDS

COCOS WEDDELIANA at \$7.50 per 1,000

LATANIA BORBONICA at 50c. per Lb.

Asparagus Sprengerii at \$6 per 1000 seeds

Anemone, Finest Caen Mixed, at \$3 per lb.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

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SEND ADVS. QUICK FOR THE
Special Spring Number

— OF THE —

Florists' Review,

TO BE ISSUED

Increased Value but no Increase in Rates. Next Week.

...SEND COPY AT ONCE...

Florists' Pub. Co.

520-535 Caxton Bldg. CHICAGO.

Grafted Roses

Bride, Bridesmaid,

Carnot, Kaiserin,

\$10 per hundred.

No orders taken after the 20th.

H. F. LITTLEFIELD,

Worcester, Mass.

Mention the Review when you write.

THE HARRISII DISEASE can be prevented by immersing the bulbs for 5 hours in a half solution of

Kraft's Plant Tonic 99 per cent

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills Hard Shelled Scale, Mealy Bug, and other insect pests without injury to the plant. Send for circular.

KRAFT PLANT TONIC CO. Rockford, Ill.

Mention The Review when you write.

Ornamental Shrubs,

HERBACEOUS PERENNIALS.

A specialty of Iris, Phlox, Pæonies, Pyrethrums, Poppies, etc. Wholesale List on application.

JACOB W. MANNING,

The Leading ESTABLISHED 1854. New England Nurseryman. READING, MASS.

Mention The Review when you write.

Cyclamen

Persicum

Giganteum,

the genuine arti-

cle, nice plants,

twice transplant-

ed, \$2.50 per 100

by mail; \$20.00 per 1000 by express. **Dracena**

indivisa, 4-in. pots, \$5.00 per 100, 8-in. pots, \$8.00

per 100. Fine stock.

E. FRYER, Berriman Street

and New Lots Ave. Brooklyn, N. Y.

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E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention the Review when you write.

GRAND RAPIDS.

Weather continues cold and cloudy, with occasional wild snow flurries; hard weather on flowers. Carnations are scarce, with quality poor, as the flowers are picked so close no chance to properly develop. Roses about equal to the demand. Very few Harrisii are seen, but plenty of bulb stock, particularly at the stores, which move slowly. Azaleas are almost a drug and primroses and cinerarias that are in bloom now mostly go to waste.

Peter Kunst, one of the oldest established florists in town, of the old school, is at last going to give up flues and adopt steam heat in his houses. In addition to a steam boiler he intends adding two new carnation houses.

The city also intends adding another house to its park system. The park budget, if it is not scaled down, will call for \$38,000 for the current year, as many improvements in landscape gardening and flower beds are contemplated.

GEO. F. CRABB.

A FLOWER TRUST.

The Philadelphia daily papers have been devoting considerable space to reports of the formation of a combination among the leading growers in the nature of a "trust." According to reports the concern is to have a capital of \$750,000 and will deal direct with the public.

**Cincinnati
Cut Flower Co.**416 Walnut St. **Wholesale Florists**
CINCINNATI, O.Consignments Solicited.
Special Attention Given to Shipping Orders.
Mention The Review when you write.**WHOLESALE FLORIST,**11 West 12th Street, **Cincinnati, O.**
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.

Mention The Review when you write.

**REINBERG BROS.**
Wholesale
Growers of
Cut Flowers

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.**51 Wabash Ave., CHICAGO**

Mention The Review when you write.

Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of **CUT FLOWERS**
and Dealers in

Greenhouses at Hinsdale, Ill.

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**Lynch**
WHOLESALE FLORIST
19-21
E. RANDOLPH ST.
CHICAGOOur prices are as low as any
and our stock superior.
We ask for a trial order.

Mention The Review when you write.

A. L. RANDALL
Telephone 1496 **Wholesale Florist**

4 Washington St., Chicago.

In our new and enlarged quarters we are better prepared than ever to handle your orders.
Mention The Review when you write.

WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.

J. A. BUDLONG,37-39 Randolph St., **CHICAGO, ILL.**
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F. F. BENTHEY, MANAGER.

BENTHEY & CO.,
Wholesale and Commission
FLORISTS,

41 Randolph Street, CHICAGO.

Consignments solicited.

Mention Florists' Review when you write.

800,000
FEET
OF
GLASS.**Wholesale Price List.****AMERICAN BEAUTY**

Extra long stem... per doz.	\$4.00
24-inch stem.....	5.00
20 ".....	2.50
15 ".....	2.00
12 ".....	1.25
8 ".....	1.00

METEOR.....per 100, 4.00 to \$5.00**BRIDESMAID**....." 4.00 to 6.00**BRIDE**....." 4.00 to 6.00**PERLE**....." 3.00 to 5.00**CARNATIONS**....." 1.50 to 2.00

" fancy....." 3.00

Roman Hyacinths....." 2.00 to 3.00**Valley**....." 3.00 to 4.00**Daffodils**....." 2.00 to 3.00

Quotations subject to change without notice.

All other stock at lowest market prices.

No charge for packing.

C. A. KUEHN **WHOLESALE FLORIST**

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.

Mention Florists' Review when you write.

**H. G. BERNING,**(Successor to
St. Louis Cut Flower Co.)**WHOLESALE
FLORIST,**1322 Pine Street,
ST. LOUIS, MO.

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ELLISON & TESSON,

WHOLESALE SHIPPING

FLORISTS3134 Olive Street, **ST. LOUIS, MO.**

...Home Grown Stock...

Mention The Review when you write.

C. W. WORS,2740 Olive Street, - - **ST. LOUIS, MO.****Flowers at Wholesale**

ROSES, and a full line.

Headquarters for the Southwest.

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**Maplewood Cut Flower and
Plant Co.** **GEO. M. KELLOGG, Pres.**Growers of **CUT FLOWERS** at Wholesale.

Regular shipping orders given special attention. We have the largest plant west of Chicago.

Store: 906 Grand Ave., **KANSAS CITY, MO.**

Greenhouses; Pleasant Hill, Mo.

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Always Mention the....

Florists' Review

When Writing Advertisers

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES,

42 and 44 Randolph St., Chicago, Ill.

Long Distance Telephone Express 466.

CHOICE FLOWERS at Lowest Market Rates.

New Carnation White Daybreak.

Awarded Certificate of Merit by Chicago Florists' Club. See item in Chicago Notes in last issue of the Review. We will receive orders for Rooted Cuttings and hand them to Mr. Broadbeck. Price, \$12.00 per 100.

Hardy Plants.

	Per 100.	1000.
<i>Helianthus giganteus</i>	\$3.00	\$20.00
Clumps..	6.00	50.00
<i>Helianthus aut. superbum</i>	3.00	20.00
Clumps..	6.00	50.00
<i>Boltonia Latisquamae</i>	3.00	20.00
Clumps..	6.00	50.00
<i>Veronica l. subsessilis</i> Ex. }	6.00	50.00
Clumps.....		

250 at 1000 rate. Send for list.

REA BROTHERS, - Norwood, Mass.

Mention the Review when you write.

OAK PARK NURSERIES.

SURPLUS LIST

5000 Carolina Poplar	from 9 to 15 feet
2000 Maple-Norway	8 to 10 "
2000 "	10 to 12 "
2000 Maple-Silver	9 to 10 "
2000 "	10 to 12 "
2000 "	12 to 15 "
100 Dogwood-White	4 to 5 "
1000 Arbor vitae-American...	15 to 20 inches
2000 "	2 to 3 feet
1000 "	3 to 4 "
1000 "	4 to 6 "
1000 Norway Spruce.....	15 to 20 inches
500 "	3 to 4 feet
500 "	4 to 6 "

Address **M. F. TIGER, PATCHOGUE, L. I., N. Y.**

Mention the Review when you write.

Brilliant Green and Bronze

Galax Leaves

CHAS. H. RICKSECKER, Linville, Mitchell Co. N. C.

Mention The Review when you write.

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QUICK FOR THE

**SPECIAL SPRING
NUMBER**

OF THE
FLORISTS' REVIEW

TO BE ISSUED NEXT WEEK

Increased Value but no
Increase in Rates. Send Copy At Once.

FLORISTS' PUB. CO.

520-535 Caxton Bldg., CHICAGO.

BABY PRIMROSE.



The newest thing for
Easter Blooming.

Flowers in thumb pots;
grows rapidly, 6-in. pot,
carry 50 to 100 sprays of
rosy flowers, 12 to 18 in.
long; lasts 4 weeks when
cut and wholesale at \$2
per 100; grows finely in
cool house; perpetual
bloomer. 12 for \$1.50,
\$10 per 100, express
prepaid.

New Fragrant \$1000
CALLA.

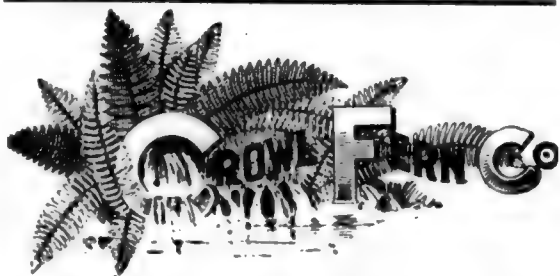
Very dwarf and free
bloomer, has the fra-
grance of violets and
lilies, \$1 and \$2 per 12,
\$6 and \$12 per 100,
mailed.

Asparagus Sprengeri.

2-in., 24 for \$1.50, mail-
ed; \$4 per 100, express. 3½-in., 24 for \$2.50, mailed;
\$7 per 100, express.

A. BLANC & CO., Philadelphia.

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Our Easter Offering is what
every Florist
should have.

Send \$5 and we will send you 2000 No. 1 Hardy
Cut Ferns; 2000 Galax Leaves, all bronze or assort-
ed, and 100 Leucothoe Sprays. Order early and be
sure of this bargain. Our Laurel Festooning is un-
excelled. Write for prices on all hardy supplies.

CROWL FERN CO., 27 Beacon St., BOSTON, MASS.

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Rooted
Runners from **Marie Louise Violets,**

which have borne 100 flowers per plant this last
winter. From now until May 1st will sell good
Rooted Cuttings at \$5.00 per 1000. Come and see
for yourselves, dear friends, and I will prove to you
that my stock is clean, free from disease and first
class in every respect.

C. LAWRTZEN, Money refunded if not just
RHINEBECK, N. Y. as I say. Cash with order.

Mention The Review when you write.

E. G. HILL & CO.,
RICHMOND, IND.

GRAFTED —ROSES

In Fine
Condition.

Bride, Bridesmaid, Perle, Meteor,
Kaiserin, American Beauty,
\$10.00 per 100, \$90.00 per 1000.
Elegant Stock.

White Cloud, Flora Hill, Jubilee, Maud
Adams, Melba, Crane, America, all
the best sorts, in healthy well-rooted
Cuttings, quality A1 See trade list
for prices.

CHRYSANTHEMUMS,
GERANIUMS,
ASPARAGUS,
FERNS,

PALMS, and
YOUNG ROSES.

E. G. HILL & CO.,
RICHMOND, IND.

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HALE'S MOLE TRAP

For destroying ground moles in lawns, parks, gar-
dens and cemeteries. The only PERFECT mole trap
in existence. Guaranteed to catch moles where all
other traps fail. Sold by Seedsmen, Agricultural
Implement and Hardware dealers, or sent by express on
receipt of \$2.00, by

H. W. HALE, RIDGEWOOD, N. J.

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PITTSBURG.

Trade Review.

Considering the season, business continues fair and steady; stock is coming in nicely to meet the demand. Smilax and Asparagus continue scarce. Prices on other stock are firm.

The Florist Club.

The last meeting of the Florists' Club was a most interesting one—in fact an informal flower show. The members were requested to exhibit their finest specimens, new varieties, etc., at this meeting. In addition to this, through the kindness of Mr. Thomas W. Lawson, the club had the pleasure and satisfaction of inspecting the much discussed Lawson carnation. The famous carnation called forth much interest and admiration among the club members and the general public. The flowers were exhibited at the store room of the Pittsburgh Cut Flower Co., Ltd., and hundreds called to view them; and all agreed in pronouncing them the finest carnation that they have ever seen.

Another exhibit greatly admired was a bunch of Admiral Dewey roses, sent by Mr. John H. Taylor, of Bayside, N. Y. Mr. Fred Burkl, of Bellevue, Pa., displayed a lot of carnations most worthy of note, including Hector, Argyle, Mrs. Frances Joost, Mrs. Jas. Dean, New York, Flora Hill, Buttercup, White Cloud, Victor, Edna Craig, Mrs. McBurney, Albertini and a sport of Armazindy which attracted considerable attention.

A vase of fine Maids and Brides with 28 to 36-inch stems were exhibited by Conrad Blind; these were indeed prize winners. Uncle Walter, Flora Hill and Lizzie McGowan, grown by John Murchie, of Sharon, Pa., were displayed by Gustave Ludwig. E. McConnell, of Sharon, Pa., sent a lot of seedling No. 5-1897-pedigree—Rose Queen on Daybreak. Mr. McConnell claims it to be of a strong, vigorous growth, better bloomer than Daybreak and will retain its color better.

Mr. Chas. T. Siebert showed a lot of the new variegated fancy carnation Sandusky sent by W. E. Hall, Clyde, Ohio. E. C. Ludwig exhibited a vase of carnations consisting of Jubilee, Mrs. Bradt, Bon Ton and Flora Hill.

Several members who attended the Carnation Society meeting at Philadelphia informed the writer that, with all due respect to the Philadelphia Show, it did not contain anything finer than some of the specimens exhibited at this meeting.

Dracaena Indivisa.

6-inch, pot grown \$20.00 and \$25.00 per 100
5-inch, pot grown 15.00 and 18.00
Rose Clothilde Souper, 2½-inch... 3.00
Vinca Variegata, 4 & 5-in. \$8.00 and 7.00
Geraniums, S. A. Nutt, 2½-inch, \$25.00 per 1,000;
\$2.50 per 100. Cash, please.

CARL HAGENBURGER, West Mentor, O.

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REGULAR SHIPPING ORDERS RECEIVE
SPECIAL ATTENTION.

W. F. TOR BROS.

51 Wabash Avenue, Chicago.

WHOLESALE
GROWERS OF Cut Flowers

We Are Headquarters for...

AMERICAN BEAUTIES,
of which we cut from 2,000 to 8,000 daily. Our Brides,
Meteors, Maids and Perles were never better.

OF CARNATIONS

we grow 50,000 plants of all the leading varieties, and
they cannot be surpassed.

Mention The Review when you write.

Wholesale Price List.

Am. Beauty, extra long stem; per doz.	\$4.00
24-in. stem	3.00
20-in. "	2.50
15-in. "	2.00
12-in. "	1.25
8-in. "	1.00
Meteor	per 100, \$4.00 to 6.00
Bridesmaid	" 4.00 to 6.00
Bride	" 4.00 to 6.00
Perle	" 3.00 to 5.00
Carnation	" 1.50 to 2.00
fancy	" 3.00

All other stock at lowest market prices.
No charge for packing.

S. B. WINTER,

L. P. KELLY,
Manager.

Telephone Main 4580.

21 Randolph Street, CHICAGO.

COMMISSION HANDLER OF

High Grade Cut Flowers

GROWERS OF GOOD STOCK....

Can Secure the Best and Quickest
Returns by Consigning to us

PRICE LIST.—Subject to Change without Notice.

ROSES		MISCELLANEOUS	
American Beauties, long....	per doz., \$5.00—	Freesia	per 100, \$2.00—
" " medium "	2.00—4.00	Callas	per doz., 1.50—
" " short...	1.00—1.50	Harrisii	" 1.50—
Meteors, Maids.....	per 100, 5.00—7.00	Romans	per 100, 2.00—\$3.00
Brides	" 6.00—8.00	Narcissus.....	" 8.00—
Perles	" 4.00—6.00	Daffodils	" 2.00—
Roses, seconds, average	4.00—	Tulips	" 2.00—4.00
CARNATIONS		Valley	" 3.00—4.00
Fancy varieties.....	Per 100 \$3.00—	Violets	" .50— .75
Ordinary varieties, extra quality.....	2.00—		
" " average stock.....	1.50—		

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EASTER, 1899, IS COMING!

Don't delay any longer
to order your

LILY OF THE VALLEY, the cream of the market, Berlin pips, large bells, \$12.00 per 1000.

CRIMSON RAMBLER, extra fine plants, \$25.00 per 100.

TUB. ROOT. BEGONIA HYBRIDA, in four separate colors, bulbs about 1½ inches diameter,
\$2.50 per 100, \$20.00 per 1000.

GLOXINIA HYBRIDA CRASSIFOLIA ERECTA, \$3.50 per 100, \$30.00 per 1000.

CLEMATIS, RHODODENDRONS, SPIRAEA, PAEONIES, etc., now on hand.

Terms to unknown correspondents,
cash; otherwise, 60 days.

F. W. O. SCHMITZ, Jersey City, N. J.

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100,000 VERBENAS,

THE CHOICEST
VARIETIES
IN CULTIVATION....

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

{ No Rust or Mildew.
Packed Light and
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

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Always mention the Florists' Review when writing advertisers.

CHRYSANTHEMUMS.

Good, strong, healthy stock of the following well-known varieties:

Mme. G. Bergmann	Rose Owen
Ivory	Eugene Dailedouze
The Queen	Wm. H. Lincoln
Mrs. Jerome Jones	Col. W. B. Smith
Etoile de Lyon	Mrs. J. G. Whilldin
Miss Minnie Wanamaker	V. H. Hallock
Golden Wedding	Maud Dean
Niveus	Chillingfordii
Minerva	Geo. W. Childs
Liberty	Bessie Burton
Bonnaillon	Modesto
Mrs. J. J. Glessner	Mrs. Murdock
Belle of Castlewood	J. G. Woodford

from 2½-in. pots, \$2.00 per 100; per 1000, \$15.00

Cannas, good variety named\$2.00 per 100

mixed 1.00

Nymphaea Odorata Gigantea, strong roots 3.50 "

R. VINCENT, JR., & SON, White Marsh, Md.

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FELTHOUSEN Wants Room.

Read this and let us hear from you.

Remember, our Geraniums are grown in flats and in soil. Our selection \$1.50 per 100, \$12.00 per 1,000. Mme. Sallerot, same price and grown in soil. Rose Geraniums, \$2.00 per 100. Ageratum, blue and white, 60 cents per 100, \$5.00 per 1,000. Fuchsias, standard sorts, \$1.50 per 100, \$12.00 per 1,000. Fever Few, Little Gem, from flats and in soil, \$1.25 per 100, \$10.00 per 1,000. Salvia Splendens and Bedman, \$1.00 per 100. Heliotrope, six varieties, \$1.00 per 100, \$9.00 per 1,000. Vinca Variegata, cuttings, \$1.25 per 100, 4-in. stock, fine, \$8.00 per 100, \$50.00 per 1,000. Coleus, all the best varieties. C. Verschaffeltii and Queen, 75 cents per 100, \$8.00 per 1,000. Coleus, in variety, 60 cts. per 100, \$5.00 per 1,000. The above are Rooted Cuttings, except when noted.

Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y.

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Some Things You Want....

AGERATUM, blue and white dwarf,	Per 100
2-in. pots.....	\$2.00
HARDY PHLOX, 10 distinct varieties, 2-in.	
pots.....	2.50
FUCHSIAS, 6 varieties, 2-in. pots.....	2.00
GIANT PEARL MARGUERITE, 2-in. pots.....	2.00
RUDBECKIA, 3½-in. pots.....	4.00
STATICE ARMERIA, 3½-in. pots.....	3.00
BEGONIAS, 6 varieties, 2-in. pots.....	2.00
ACHILLEA, the Pearl, 2-in. pots.....	2.00

Enough extras added to more than pay expressage. **Cash, please.**

EDWARD B. JACKSON, Stamford, Conn.

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Special Offer.

200 Norway Spruce, 3 to 4 ft.....	6 cents each
300 " 3½ to 3 ft.....	5 "
200 American Arborvitae, 3 to 4 ft. 6	"
300 " 2½ to 3 ft. 5	"
200 Irish Juniper, 3 to 4 ft.....	9 "
400 " 2½ to 3 ft.....	7 "
400 " 2 to 3 ft.....	5 "
300 Sugar Maple, 10 to 12 ft.....	10 "
200 " 9 to 10 ft.....	9 "
50 American Linden, 10 to 12 ft.....	8 "
2000 Norway Maple, 4 to 6 ft.....	\$15.00 per 1000
3000 " 3 to 4 ft.....	10.00 "
2000 " 2½ to 3 ft.....	8.00 "

10,000 Peach, all grades and varieties.
All stock strictly first-class, carefully dug and handled.

C. L. LONGSDORF, Floradale, Pa.

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When Writing Advertisers.

Special Offer of HYBRID CLEMATIS



Miss Bateman. White with chocolate-red anthers.
Standish. Light Blue.
The Gem. Deep lavender blue.
The President. Bright bluish purple.

\$3.75 per dozen; \$30.00 per 100.

NEW RED CLEMATIS.

M. Koster. A bright rosy carmine, not as rich in color as Mme. Edouard Andre, but possessing the advantage over that beautiful variety of being a much stronger, freer grower, and also of being remarkably free in flowering, while Mme. Edouard Andre, though richer and brighter in color, lacks in constitution, and makes but a light growth. We have seen M. Koster under ordinary nursery culture, a height of 6 to 8 feet, in two-year-old plants, with hundreds of flowers open at one time. 35 cents each; \$4.00 per dozen.

CLEMATIS CRISPA. CLEMATIS COCCINEA.

We have a fine stock of fine two-year-old plants of the above two varieties at \$1.00 per dozen; \$7.00 per 100.

CLEMATIS FLAMMULA.

Strong two-year-old plants of this old favorite. \$1.25 per dozen; \$10.00 per 100.

Henry A. Dreer, 714 Chestnut St., Philadelphia, Pa.

Mention the Review when you write.

And Still They Come

SOUTH SIDE FLORAL CO., Springfield, Ill.
Gents:—I saw your 5000 Verbenas, just received by Brittenbaugh Bros. I want 2000 just like them. Please send at once C. O. D. Yours resp'y,
SAMUEL GASS, Allegheny, Pa.

VERBENAS—Strong rooted cuttings, 30 grand varieties, 60c per 100, \$5.00 per 1000; 5000, \$22.00.

PETUNIAS—Dreer's latest set of double fringed, true to name, \$1.00 per 100.

SMILAX—Strong, bushy seedlings, ready for pots, 50c per 100, \$4.00 per 1000. Express prepaid on the preceding stock.

ROSE and CARNATION Cuttings now ready. Clean healthy stock, well rooted, at lowest prices quoted. Send for our lists and save money. Terms cash with order.

SOUTH SIDE FLORAL CO.
SPRINGFIELD, ILL.

Mention The Review when you write.

1840 Old Colony Nurseries, 1899

HARDY SHRUBS, TREES, VINES,
EVERGREENS and PERENNIALS.

A large and fine stock of well rooted plants, grown in a sandy loam. Good plants, best sizes for planting, very cheap.

Trade list free on application.

T. R. WATSON, Plymouth, Mass.

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Live Sphagnum Moss

For Orchids, etc., \$1.25 per bbl.

Sphagnum Moss

First quality, \$1.00 per bale; 10 bales, \$8.00.

Z. K. JEWETT & CO., SPARTA, WIS.

Mention the Review when you write.

Chrysanthemums.

We are Headquarters for all '99 Novelties.
Also complete list of best commercial varieties.
Our Catalogue Now Ready.

NATHAN SMITH & SON, Adrian, Mich.

Mention The Review when you write.

INSURE AGAINST FIRE

Florists' Mutual

Fire Insurance Ass'n.

ADDRESS W. J. VESEY, Sec'y,
FORT WAYNE, IND.

Mention The Review when you write.

SAMUEL S. PENNOCK, Wholesale Florist

OPEN DAY AND NIGHT—From 12 A. M. Mondays to 10 P. M., Saturdays.

A constant supply of SELECT VALLEY the year round. 1612-14-16-18 Ludlow St., Philadelphia, Pa.
AMERICAN BEAUTIES OUR SPECIALTY.

Mention the Review when you write.

PITTSBURG CUT FLOWER CO., Ltd. WHOLESALE FLORISTS.

Long Distance
Phone 2157.

CONSIGNMENTS SOLICITED.

No. 705 Penn Avenue,
PITTSBURG, PA.

FLORISTS' SUPPLIES.

Write for Price List.

Mention The Review when you write.

THE WELL-KNOWN SEEDSMEN, R. & J. FARQUHAR & CO.

There seems to be a slight misunderstanding, in the article among the Boston notes, which is apt to be misleading, referring to a supposed dissolution of the old established firm of R. & J. Farquhar & Co. The dissolution of co-partnership occurred in June, 1896, which statement should have been made in the issue of March 2. In June, 1896, Mr. James M. F. Farquhar and Mr. John K. M. Farquhar started a business under the style of Farquhar Bros., and Mr. Robert Farquhar, a business as Robt. Farquhar & Co. In August of the same year the latter firm sold out to Mr. James Farquhar, who continued under the old name of R. & J. Farquhar & Co. Messrs. John and Robert, being in the employ of the brother, James M. F. Farquhar, and have continued so up to within about six months, when Robert resigned his position, and intends starting a business of his own. Mr. James still continues the business at the old stand, and with the permission of the brothers, under the old name. This enterprising firm has established an unexcelled reputation, with the excellent quality of their goods, cater to the needs of both commercial and private gardener, and are known among the trade all over the eastern states.

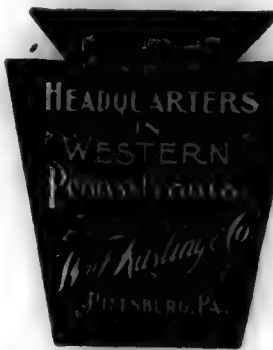
In addition to their store on South Market street they have quite a greenhouse establishment at Roslindale, Mass., which they intend to increase this spring, having already contracted for a new house, three-quarter span, 22x380 feet, to be used in growing a general line of plants to supply their constantly increasing trade.

They are the originators of the Farquhar violet and have a new begonia which will be a grand acquisition to our summer varieties of that fine family, and its advent is eagerly looked for by lovers of flowering plants. P.

NEW BRUNSWICK, N. J.—E. Kitchenmeister of Highland Park, to prevent some palms from being frozen during delivery, had a small stove, used in heating wagon, overturned, destroying the wagon and contents, entailing a loss of about \$800.

ROSES.
Carnations
VALLEY
FERNS.
GALAX, and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

Consignments of good stock solicited.



We get daily new customers because we have the reputation that all orders are punctually filled.

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Wholesale Florists. 444 Sixth Ave.

All kinds of FLORISTS' SUPPLIES and WIRE DESIGNS on hand.

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EASTER ORDERS

For GALAX LEAVES

and LEUCOTHOE SPRAYS should be placed now. Send for information.

HARLAN P. KELSEY, Introducer,
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Cut Flower Exchange,

404 - 412 East 34th St., New York,

NEAR THE FERRY.

Open Every Morning at 6 o'clock for the sale of CUT FLOWERS.

Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

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HOUSE PLANTS IN THE HOUSE.

The PLANT trade from the point of "business," and also the care of Plants, treated in an attractive six-page Folder to be given to customers.

Sample order of 25 copies mailed for 60c in stamps

Dan'l B. Long, Publisher, Buffalo, N. Y.

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Money Maker.

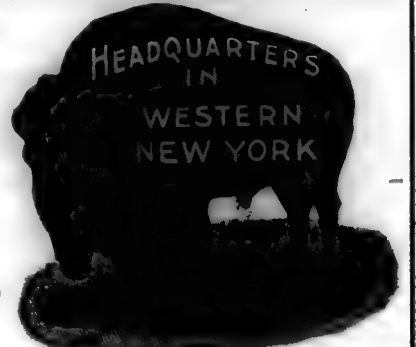
Lizzie McGowan Carnation, Rooted Cuttings must go faster, price reduced to \$5.00 per thousand, as good as the best. Also Geraniums, from 2 to 2½-in. pots, best kinds, mixed, used by the wealthy people of Trenton, N. J., past season. Now ready for 3½ or 4-in. pots, at \$2.50 per hundred, \$20.00 per thousand. Cash. Sample free.

B. F. MUSCHERT, - PENN VALLEY, PA.

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GIVE US
A
TRIAL.
WE CAN
PLEASE
YOU.

Roses,
Carnations
and all
kinds of
Seasonable
Flowers
in stock.



WM. F. KASTING, Wholesale Commission Florist.

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WM. J. BAKER,

WHOLESALE
CUT FLOWERS,

1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

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EDWARD REID,

LONG
DISTANCE
PHONE. Wholesale
Florist,

1526 Ranstead St., PHILADELPHIA, PA.

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Pandanus Veitchii

Clean Stock, Pedestal Grown. 6-in. pots, \$1.00 each; \$12.00 a dozen. Also larger sizes. Send list of sizes required and get rates. Also a few white leaved plants at half price, for decorative effects or cutting up.

JOHN WELSH YOUNG, - Germantown, Pa.

Upsal Station, Penn. R. R.

Mention The Review when you write.

Rose Hill Nurseries.

Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

Largest stock in America.

SIEBRECHT & SON,

New Rochelle, N. Y.

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GOLD FISH and AQUARIUM SUPPLIES.

KEENAN'S
SEED
STORE.

6112 and 6114
Wentworth Avenue,
CHICAGO

Mention The Review when you write.

HEACOCK'S OFFER OF

PALMS

All home grown, strong
.....and healthy

All measurements are from TOP OF
POT, and don't you forget it.

ARECA LUTESCENS.

4-in. Pot, 3 Plants, 15 to 18-in. high.....	\$ 3.00 per doz., \$ 25.00 per 100
5 " 3 " 20 to 22 "	6.00 " 50.00 "
6 " 3 " 22 to 26 "	9.00 " 75.00 "
6 " 3 " 28 to 30 "	12.00 " 100.00 "
12 " 3 " 60 to 72 "	Very bushy, 10.00 each.

A few bushy Specimens, 14-in. Pot, 7 to 8 ft. high, \$25.00 each.

My stock of this variety is very large, grown cool, clean and very healthy and cannot fail to give satisfaction. All are grown three plants in a pot.

COCOS WEDDELIANA.

2x3-in. Pot, 1 Plant 6 to 8-in. high, \$10.00 per 100	
3 " 1 " 8 to 10 "	15.00 "
4 " 1 " 15 "	40.00 "
5 " 1 " 15 to 18 " .....	.50 ea., \$6.00 pr doz.
5 " 3 " 15 to 18 " .....	.50 " 6.00 "

My stock of this beautiful variety is very large and in excellent condition.

KENTIA BELMOREANA.

	Per doz.	Per 100
3-in Pots, 4 to 5 Leaves, 10 to 12-in.....	\$ 3.00	\$ 25.00
4 " 5 to 6 " 15 to 18-in.....	6.00	50.00
5 " 5 " 18 to 20-in.....	12.00	100.00
6 " 6 " 18 to 20-in.....	15.00	125.00

I have a very large stock of the sizes quoted in excellent condition.

The measurements given are from the top of pot to the top of plant, in its natural position. I am particular to mention this as some growers include the pot in their measurements, in other words, include the length of the roots with the height of the plant.

TERMS: Unknown correspondents will please furnish satisfactory reference or cash with the order.

JOSEPH HEACOCK, WYNCOTE, PA.

Mention the Review when you write.

O, Say! Your Order NOW.....

All "ROOTED WELL." Now Ready.

	Per doz.	100.	1000.
Carnation, Portia.....	\$.20	\$1.00	\$9.00
Mrs. Jeffreys (the Car. Petunia) ..	.40	2.00	15.00
Geranium, Mme. Salleron .....	.20	1.00	9.00
Ageratum, Princess Pauline .....	.20	1.25	10.00
Fuchsias, four varieties .....	.20	1.25	10.00
Salvia Splendens .....	.15	.80	6.00
Smilax from flats.....	.10	.50	4.00
Vinca Major Var. ....	.15	.75	

Special Offer. We have a bench of Verbenas, about 25,000, we wish to sell quick to make room for Coleus, to make them go quick will sell this lot at \$4.00 per 1000—Standard named sorts, express paid.

S. T. DANLEY, Macomb, Ill.

Mention the Review when you write.

ENGLISH YEWS....

A few choice specimens from 8 to 6 ft. in diameter, recently transplanted and in fine condition. A fine lot of Young Evergreens. Descriptive catalogue and wholesale price list for all in the trade.

SAMUEL C. MOON,

MORRISVILLE, - - - Bucks Co., Pa.

Mention the Review when you write.

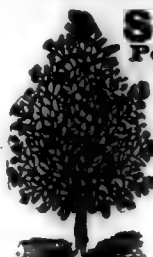
DORMANT CANNAS.

Standard varieties, such as Bouvier, Marquant, Henderson, Crozy, Charlotte, Carnot, Childsji, F. R. Pierson, and the two best foliage Cannas on the market—Grandiflora Rouge and Robusta, \$2.00 per 100, \$10.00 per 1000. Austria, Italia and Thomas Griffin, \$2.50 per 100, \$20.00 per 1000. Cash with order. Address all orders to

ROWEHL & GRANZ,

Hicksville, L. I., N. Y.

Mention the Review when you write.



SURPLUS STOCK AT SURPLUS PRICES.

Poplars—Carolina, 6 to 8, 8 to 10, 10 to 12 and 12 to 15 feet, Golden, Silver and Lombardy same sizes. Sycamore—European, 6 to 8, 8 to 10, and 10 to 12 feet. Magnolias—Acutata, 4 to 6, 6 to 8 and 8 to 10 feet; Tripetala, Soulangeana, and Speciosa 1½ to 2 and 2 to 3 feet, six other sorts 1½ to 2 feet. Maples—Immense stock, leading sorts, all sizes, 6 to 25 feet. Mountain Ash—European and Oak Leaved. Willows—Laurel Leaf, Canescens, Rosemary, Etc.
In Weeping Trees, we offer immense lot of Willows. Kilmarnock, New American, Wisconsin and Babylonica. Mulberry—Teas Weeping, the finest lot we ever grew. Mt. Ash, Cut Leaved Birch, Etc.
In Vines and Shrubs—Ampelopsis, Veitchi, strong two year field grown. Clematis, Jackman, Henry, Mad. Ed. Andre, etc. Berberis—Thunbergii and Purpurea. Elder—Golden. Syringa—Golden. Spiraea—Van Houtte, Anthony Waterer, Thunbergii, etc. Lilies—New Double Flowered in 8 varieties. Altheas, Deutzias, Snowballs, Myringas, Wiegellias, Etc., in great supply.
Roses—two years field grown, Hybrid Perpetual, Moss, Climbers, Wichuriana and Wichuriana Hybrids, Rugosa, and Rugosa Hybrids and Multiflora Japonica. Azaleas—Mollis and Pontica, fine bushy well-budded plants.
Forty-four Greenhouses well filled with Roses, Palms, Ferns, Fleus, Chinese Azaleas, Araucarias, Geraniums, Etc. Correspondence solicited. Catalogues and price lists free.

THE STORRS & HARRISON CO., Box 545, Painesville, O.

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Palms and Ferns

The Largest Stock of
Plants in the West.

Send us your name
and we will keep you
posted when we have anything special to offer.

GEO. WITTBOLD, 1708 N. Halsted St. CHICAGO.

ROOTED CUTTINGS

Coleus, mixed colors	60c per 100
Dreer's Double Petunias.....	.80c "
Dreer's Princess Pauline Ageratum.....	.80c "
Cyclamen pers. giant. 2½-inch pots....	3.00 "

CHRIST. WINTERICH, Defiance, O.

Mention The Review when you write.

Send
Advs. Quick
For the

Special Spring Number OF THE

Florists' Review,

TO BE ISSUED

Increased Value but no
increase in Rates.

NEXT WEEK

SEND COPY AT ONCE.

Florists' Pub. Co.

520-535 Caxton Bldg., CHICAGO.

Always Mention the....

Florists' Review

When Writing Advertisers.

AMERICAN CARNATION SOCIETY.

Carnations Registered.

The Chicago Carnation Co., Joliet, Ill., have registered the name Chicago to be applied to a red sport from Mrs. Geo. M. Bradt. The sport is a brilliant scarlet in color, rather larger than Mrs. Bradt, and having sported into a stronger color it has a stronger growth and constitution than the original.

It would be well for all carnation growers to note the name and if they have any of this sport on their places to apply the name "Chicago" to them and not have the confusion that is at present existing among the numerous scarlet sports of Tidal Wave.

In the coming proceedings of the society will be issued a complete list of all named carnations to date as far as practical; separate copies of this list will be run off and can be had upon application to the secretary. This list will be supplemented every year and revised every three or five years as the case may require. It should be the pride of introducers to have this list as complete as possible, and they can easily have it complete if they will render the secretary the proper support by registering the name of a variety as soon as they have decided to use the name in a commercial way.

ALBERT M. HERR, Sec'y.
Lancaster, Pa.

UTICA, N. Y.

Business is quite dull since Lent started. The weather is perfect, bringing along all flowering stock in good shape for Easter.

Charles Baker's store and green-houses are a blaze of color. Azaleas, Harrisii lilies, and everything in the shape of flowers are in his windows. He has just fitted up his store with electric lights. His son Frank Baker has been elected alderman from his ward.

There is prospect of a shortage on Easter lilies, so many of them coming bad that it keeps the ordinary florist guessing whether he is going to have enough to go around or not.

Burglars recently visited the green-houses of Mr. C. F. Seitzer and carried off a miscellaneous lot of goods, including some bulbs and seeds, the latter having been just received. The nerve of the rascal was shown by his stopping to drink a bottle of beer that he found in the ice box. C. J.

NEVADA.—Generally speaking, the signature of a minor to a contract does not make it binding, but there are qualified exceptions and the laws of the states vary somewhat. You had best consult an attorney familiar with the law in your state.

WASHINGTON, PA.—Lloyd Swartout, the florist, is erecting two new greenhouses, one 22x146 for roses, and the other 30x80 for carnations.

Jadoo Fibre and Jadoo Liquid.

The repeat orders that we are daily receiving from GROWERS, FLORISTS and SEEDSMEN are very gratifying and most convincing as to the commercial value of our products.

We want every GROWER and FLORIST to try JADOO FIBRE and JADOO LIQUID, and form his opinion as to their merits from his own experience.

Our new catalogues will be sent on application.

THE AMERICAN JADOO CO.

817 Fairmount Ave.

PHILADELPHIA, PA.

Mention The Review when you write.

The Royal Tottenham Nurseries, Ltd.,

Late of A. M. C. JONGKINDT CONINCK.

Managing Director, A. M. C. VAN DER ELST.

DEDEMSVAART, nr Zwolle, NETHERLANDS.

RARE AND NEW HARDY PERENNIALS.

Per 100	Per 100
Anemone Sylvestris, fl. pl., young plants in pots.....\$ 9.00	Nymphaea Laydekerii purpurata.....\$290.00
Arnebia Echioides.....10.00	" rosea.....180.00
Chrysanthemum max. filiforme.....7.50	" Aurora, each, \$7.50
Convallaria maj., var. Fortin.....1.25	" Robinsoniana, each, \$5.00
Crocsmia Aurea Imperialis.....11.00	Oreocome Candolli.....20.00
Helenium Autumnale Superbum.....6.00	Papaver Orient Silver Queen.....10.00
Hemerocallis Aurantiaca Major (cultivated) 27.50	Petasites Jap. Giganteus.....20.00
Heuchera Alba.....7.00	Physalis Franchetti.....2.25
Heris Sempervirens Little Gem.....8.00	Sagittaria Jap. fl. pl.....20.00
Incarvillea Delavayi.....40.00	Spiraea Aruncus var. Kneiffi.....37.50
" Olga.....5.00	Viola Odor, Princess of Wales.....4.00

GUNNERA SCABRA, leaves 6 to 7 ft. across, strong plants, \$15 to \$20 per 100.

ALPINE RHODODENDRONS, strong plants, \$9.00 per 100.

Wholesale catalogue of Hardy Perennials, Conifers, Rare Aquatics, etc., may be had free on application. List of Narcissus in April.

Mention The Review when you write.

F. & F. NURSERIES, SPRINGFIELD, NEW JERSEY

Wholesale Growers TREES and PLANTS In Full Assortment. ...TRADE CATALOGUE FREE.

Mention The Review when you write.

Fine Perles and Wootons

In 2-in. pots, as well as Beauties, Maids, Brides, Meteors, La France and Kaiserin—now ready. Send 50 cts. or \$1.00 for samples of what you want and prices.

Carnations out of flats ready now. Can furnish Rooted Cuttings of all Roses except La France and Kaiserins. Write **GEO. A. KUHLE**,

1 Long Distance Phone 14. **PEKIN, ILL.**

Mention The Review when you write.

THE REGAN ... PRINTING HOUSE ...

Nursery Seed* Florists' Catalogues

87-91 Plymouth Place, Chicago.

OUR TRADE LIST

MARCH, 1899.

CARNATION CUTTINGS.

	Per 100
ARGYLE, fine dark pink.....	\$3.00
EVELINA, best paying white.....	3.00
EMPRESS, dark red.....	3.00
GOLD NUGGET, Yellow.....	4.00
PAINTED LADY.....	2.00
MARY WOOD, white.....	3.00
PSYCHE, variegated.....	2.00
FLORA HILL, white.....	1.50
DAYBREAK, shell pink.....	1.50
C. A. DANA, light pink.....	1.50
TRIUMPH, the big pink.....	2.00
JUBILEE, scarlet.....	1.50
MAYOR PINGREE, big cream.....	1.50
ARMAZINDY, variegated.....	1.50
VICTOR, pink.....	2.00
JOHN YOUNG.....	4.00
NEW YORK.....	4.00
MRS. JAS. DEAN.....	4.00
MRS. FRANCES JOOST.....	3.50

Five cuttings at 100 rate.

PLANTS—Strong, 2 1-4 inch.

	Per 100
NEW COLEUS BROWNII, a good bedder.....	\$5.00
VELVET PLANT, a big seller.....	3.00
GERANIUM Mad. Sallerioi.....	2.00
" Ivy mixed.....	2.00
FEVERFEW, Little Gem.....	2.00
SOUTHERN THYME.....	2.00
IRESENE, red and yellow for Canna border.....	2.00
ABUTILON, choice mixed.....	2.00
SMILAX.....	1.00
" from flats.....	.50
HELIOTROPE, mixed.....	2.00
BEGONIA, choice mixed.....	2.00
" Erfordii.....	2.00
" Sandersonii.....	2.00
" Hybrida.....	2.00
MESEMBRYANTHEMUM ERECTUM.....	3.00
NEW YELLOW MARGUERITE.....	2.00
CHRYSANTHEMUMS, our selection.....	2.00

Five plants at 100 rate. Spot Cash.

NEW SEEDS.

	1/2 oz.	1 oz.
Lettuce—Grand Rapids.....	.05	.10
Raddish—Turnip and Lady Finger.....	.05	.10
Tomato—Dwarf Champion and Queen.....	.05	.10
Beet—Early Turnip and Long D. Blood.....	.05	.10
Watermelon—Sweet Heart.....	.05	.10
Pumpkin—New England Pie.....	.05	.10
Squash—Crookneck and Summer.....	.05	.10
Cucumber—Long Green and Chicago.....	.05	.10
Spinach—English.....	.05	.10
Cabbage—Early Wakefield, Flat.....	.10	.20
" Dutch, Stimps and Drumhead.....	.10	.20
" Surehead and Red Pickling.....	.10	.20
Cress.....	.05	.10
Carrots—Danvers and Short Horn.....	.05	.10
" White Horse.....	.05	.10
Parsley.....	.05	.10
Okra.....	.05	.10
Leeks and Kohl Rabi.....	.05	.10
Sage—English.....	.10	.20
Celery—White Plume and Pink Plume.....	.10	.20
Parsnip—Hollow Crown.....	.05	.10
Cucumber—English Forcing.....	.25	.50

NEW FLOWER SEEDS.

	1/2 oz.	1 oz.
Pansies—Mitling's Giant Flowering.....	\$1.00	\$1.00
" Yellow, White, Dark Purple, and Sky Blue.....	1.00	4.00
Mammoth Verbenas.....	1.00	4.00
Asters—Perfection, White, Pink.....	1.00	4.00
" Blue, and Mixed.....	1.00	4.00
Feverfew—Golden Feather..... packet	.10	.10
Daisies—Double White and Pink.....	.10	.10
Mignonette.....	.05	1.00
Sweet William, White.....	.05	1.00
Primula Obconica.....	.10	.10
Primula—every variety you want.....	.10	.10

No price list sent out this Spring. We only have for sale what is in this adv.

MORRIS FLORAL CO., Morris, Ill.

Mention The Review when you write.

BARGAIN. To make room at once, I offer single Violet, strong rooted runners at only \$6 per 1,000; California and Luxonne at \$3 per 1,000. Ready for immediate delivery. Cash with order.

WM. S. HERZOG, Morristown, N. J.

Mention the Review when you write.

Roses! Roses! Roses!

The following varieties at \$3.25 per hundred or \$30 per thousand; 25 at hundred rates, 250 at thousand rates, or 50 cents per dozen.

Belle Siebrecht	Golden Gate	Pink Rambler
Climbing Perle	Gen. R. E. Lee	Perle des Jardins
" La France	Helen Cambier	Princess Venosa
" Devoniensis	Hermosa	Striped La France
" Malmaison	Kaiserin Victoria	Sunset
" Meteor	La France	Souv. de Pres. Carnot
Crimson Rambler	Lamarque	" la Malmaison
Clara Watson	Meteor	Triomphe de Pernet Pere
Christine de Noue	Mosella	Vicountess Folkstone
Crown Princess Victoria	Maman Cochet	White Rambler
Champion of the World	Media	White La France
Duchess of Albany	Mrs. Degraw	White Maman Cochet
Empress of China	Mary Washington	Yellow Rambler
	Marechal Niel	

The following varieties at \$2.50 per hundred, \$20 per thousand; 25 at hundred rates, 250 at thousand rates, 40 cents per dozen.

Aline Sisley	Ernest Metz	Mme. Margottin
Agrippina	Etoile de Lyon	Mme. de Vatre
Bougere	Gen. Tartas	Marie Guillot
Bon Silene	Henry M. Stanley	Marie Van Houtte
Bridesmaid	James Sprunt	Mons. Furtado
Beauty Stapleford	Jules Finger	Marion Dingee
Clothilde Soupert	La Princess Vera	Mignonette
Cath. Mermet	La Sylphide	Papa Gontier
Cloth of Gold	Louis Richard	Princess Sagan
C. de Frigneuse	Mme. Eli Lambert	Queen's Scarlet
C. Eva Starhemberg	Mme. Welche	R. Marie Henrietta
Cornelia Cook	Mme. Schwaller	Snowflake
Celine Forrestier	Mme. C. Berthod	Safrano
Carmine Pillar	Mme. F. Kruger	The Queen
Coquette de Lyon	Mme. J. Schwartz	The Bride
Douglas	Mme. Lambard	White Bon Silene
Duchess de Brabant	Mme. Hoste	Waban

Hybrid Perpetual Roses at \$4.00 per hundred.

CHRYSANTHEMUMS—in 100 leading kinds, strong plants, \$2.00 per 100, \$15.00 per 1000

GERANIUMS—Double, Single, Ivy and Scented, best sorts, \$3.00 per 100.

FUCHSIAS—Double, \$3.50 per 100; Single, \$2.50 per 100.

BEGONIAS—Best sorts, \$3.50 per 100.

CANNAS—Leading varieties, \$4.00 per 100.

CARNATIONS—Best varieties, \$3.00 per 100.

COLEUS—Best varieties, \$2.50 per 100.

Our New Wholesale List offers all kinds of Roses and Plants. Write for it.

GOOD & REESE CO.

SPRINGFIELD, OHIO.

LARGEST ROSE GROWERS IN THE WORLD....

Mention The Review when you write

DUTY ON ROSES.

Before the U. S. General Appraisers at New York, February 25, 1899.

In the matter of the protest, 31515f-1289, of Alex. Murphy & Co., against the decision of the collector of customs at New York, N. Y., as to the rate and amount of duties chargeable on certain merchandise, imported per Britannic, and entered January 18, 1898.

OPINION BY WILKINSON, GENERAL APPRAISER.

The merchandise consists of two packages containing 5,000 manetti stock and 1,000 polyantha stock, all valued at about 70 cents a hundred. The manettis were assessed for duty at 25 per cent ad valorem and the polyanthas at 2½ cents each under paragraph 252, act of July, 1897. It is claimed that the polyantha are dutiable as multiflora roses at 25 per cent under the same paragraph.

The pertinent provisions of paragraph 252 read:

... Rose plants, budded, grafted, or grown on their own roots, two and one-half cents each; stocks, cuttings and seedlings of all fruit and ornamental trees, deciduous and evergreen, shrubs and vines, manetti, multiflora, and briar rose, and all trees, shrubs, plants and vines, commonly known as nursery or greenhouse stock, not specially provided for in this act, twenty-five per centum ad valorem.

Polyantha is the Greek synonym for the Latin multiflora. It appears from the testimony that the terms are somewhat indiscriminately used among florists. One witness testified that he imported certain polyanthas at a cost of 50 cents each, but that he would regard the importation in question as a variety of multiflora stock.

We find upon the evidence that the roses in question are not roses grown on their own roots, but stock for grafting, and that they are multiflora roses. The protest is sustained accordingly.

FIRE INSURANCE.

The Florists' Mutual Fire Insurance Association has been organized a little over a year, and during that time it has paid four losses promptly, besides liquidating all expenses of organization. The first assessment has been levied and is only 50 per cent of the original cost of insuring, or in other words, the person who paid \$10 upon joining, has now an assessment of but \$5 to pay. This is certainly very cheap insurance. Full details of cost, etc., may be had by addressing the secretary, W. J. Vesey, Ft. Wayne, Ind.

IT WILL BE to your advantage to mention The Florists' Review every time you write an advertiser.

The MODEL Extension Carnation Support.

Read what some of our best growers say concerning it.
W. HOBOKEN, N. J., Feb. 18, 1897.
Mr. THERON PARKER, Brooklyn, N. Y. Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up Carnation Supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for for a long time. Wishing you every success in the sale of them, I am, Yours truly, E. ASMUS.
Other testimonials will appear weekly. Write for prices.
THE MODEL PLANT STAKE CO.,
22 Morton Street. Brooklyn, N. Y.

ROOTED CUTTINGS

ROSES AND CARNATIONS.

ROSES.

Meteor	100	1000	Bride	100	1000
Bridesmaid	\$1.50	\$12.50		1.50	12.50
	1.50	12.50			

CARNATIONS.

PINK.			WHITE.		
Triumph	100	1000	Flora Hill	100	1000
Wm. Scott	\$1.50	\$12.50	Mary Wood	1.50	12.50
Painted Lady	1.00	7.50		5.00	40.00
Daybreak	4.00	35.00	The largest and best White Carnation that is grown. Has a strong stiff stem and a constant bloomer. Sell in the market today for nearly double any other White Carnation we handle.		
Argyle	1.50	12.50	Evelina	4.00	35.00
Mrs. Frances Joost	4.00	35.00			
McBurney	5.00	50.00	VARIEGATED—White and Red.		
	1.50	12.50	Psyche	4.00	35.00
RED.			Armazindy	2.00	17.50
Dazzle	4.00	35.00			
Jubilee	2.00	17.50	YELLOW.		
Bon Ton	4.00	35.00	Mayor Pingree	2.00	17.50
MAROON.			Gold Nugget	6.00	50.00
Empress	4.00	35.00			

BASSETT & WASHBURN, Store, 88 Wabash Ave., CHICAGO, ILL.

Greenhouses and Residence, HINSDALE, ILL. Long Distance 'Phone No. 10

Mention The Review when you write.

New Variegated
Fancy CARNATION

SANDUSKY

The earliest, freest, largest and most productive variegated Carnation ever offered to the trade. One that can be grown at a profit for two dollars per hundred blooms.

TRY IT! \$2 per dozen.
\$10 per hundred.
\$75 per thousand.

W. E. HALL, Clyde, Ohio.

Mention The Review when you write.

Flora Hill

Has come to stay. A sterling commercial White Carnation. Everyone can grow it. Best returns are on this sort. Clean stock, well rooted and full count on your orders, \$2.00 per 100, \$15.00 per 1000.
150,000 R. C. of other varieties to select from. Send for my price list and state your wants for an estimate.

WM. MURPHY, Station F, CINCINNATI, OHIO.

Mention The Review when you write.

ROOTED CUTTINGS
of New and Standard
CARNATIONS....

Send for Price List.

P. O. Box 226 WM. SWAYNE, Kennett Square, Pa.

Mention The Review when you write.

CARNATIONS

Rooted Cuttings of Novelties and Standard varieties. Send for price list.
Also Lady Campbell, Swanley White and California Violets and Giant Double Alyssum.

W. R. SHELMBIE, - AVONDALE, PA.
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Jubilee and Triumph, the best red and pink, rooted, strong and clean, \$1.40 per 100 not rooted, strong and clean75
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Daybreak, Ivory and McGowan, rooted, extra strong \$1.00 per 100 not rooted, extra strong50

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A leading White, \$2.00 per 100.

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Gen. Maceo (Ward) Maroon scarlet. The best of its class. Early and free.
Gen. Gomez (Ward) Cardinal maroon. Free bloomer, long stiff stems.
Glacier (Ward) Pure white, dwarf habit.
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Iris Miller and Elsie Furgeson are entirely novel colors and should be in every grower's collection. Leslie Paul is a rival of and in my estimation better than Maud Adams. Harriet Bradford is a heavily marked fancy, and the four are very free bloomers from October 1st to end of season. There are four others, and all have extra large flowers on long, stiff stems and with perfect calyx.

12 each of the 8 sorts for \$10.00, or 250 for \$18.75

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VIOLETS, rooted runners, 40c. per 100, \$3.50 per 1000. **SMILAX**, from flats, 50c. per 100.

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We offer Well-Rooted Cuttings of Roses and Carnations, as per list opposite, all in fine condition. Place orders early.

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We also offer strong Rose Plants out of 2½-inch pots, as follows:

	Per 100	Per 1000
BRIDESMAID.....	\$3.00	\$25.00
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	Per 100	Per 1000
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Bridesmaid.....	1.50	12.50
Bride.....	1.50	12.50

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Nancy Hanks.....	1.00	7.50
McGowan.....	1.00	7.50
Tidal Wave.....	1.00	7.50
Kohinoor.....	1.00	7.50
Flora Hill.....	1.50	12.50
Jubilee.....	2.50	20.00
Mayor Pingree.....	1.50	12.50
Triumph.....	2.50	20.00
Niven.....	1.50	12.50
Daybreak.....	1.50	12.50
Armasindy.....	1.50	12.50
McBurney.....	2.50	20.00
Alaska.....	1.50	12.50
Argyle.....	4.00	35.00
Painted Lady.....	3.00	25.00
Evelina.....	3.00	25.00
White Cloud.....	4.00	35.00

New Carnations for 1899...

	Per doz.	Per 100	Per 1000		Per doz.	Per 100	Per 1000		Per doz.	Per 100	Per 1000
C. H. Crane.....	\$2.00	\$10.00	\$75.00	Mary A. Baker.....	\$1.50	\$3.00	\$70.00	Iris Miller.....	\$2.00	\$10.00	\$75.00
America.....	2.00	10.00	75.00	Anna C. Eastburn.....	1.50	8.00	70.00	Elsie Furgeson.....	2.00	10.00	75.00
Dorothy Sweet.....	2.00	10.00	75.00	Gov. Griggs.....	2.00	10.00	75.00	Dr. Tevis.....	2.00	10.00	75.00
Gen'l Gomez.....	2.00	10.00	75.00	Duke of York.....	2.00	10.00	75.00	Helen Dean.....	2.00	10.00	75.00
Gen'l Maceo.....	2.00	10.00	75.00	Liberty.....	2.00	10.00	75.00	Leslie Paul.....	2.00	10.00	75.00
Glacier.....	2.00	10.00	75.00	Cardinalis.....	2.00	10.00	75.00	John Hinkle.....	2.00	10.00	75.00
Melba.....	2.00	10.00	75.00	Progress.....	2.00	10.00	75.00	Grace Runyon.....	2.00	10.00	75.00
Evanston.....	2.00	7.00	60.00	Emiline.....	2.00	10.00	75.00	Harriet Bradford.....	2.00	10.00	75.00

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Clay Centre, Kan.

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THE FLORISTS' REVIEW

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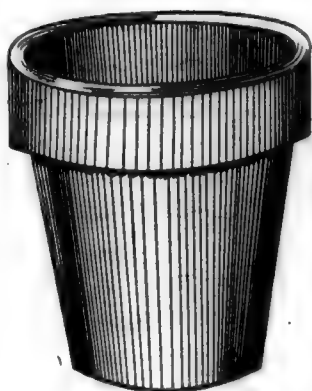
334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/4 page, \$13.50; full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.
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Red Flower Pots.

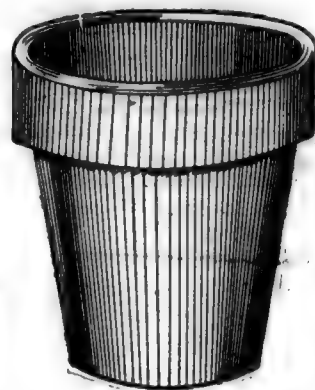
OUR OWN MAKE.

These pots do not turn green and become slimy as white pots do.

They being at all times clean, promote a healthy growth to your plants, and prevent spreading of disease and vermin.

To introduce these red pots we will place them on the market at the following rates:

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2 inch	\$3.00	\$1.75	4 inch	\$7.00	\$3.75
2 1/2 "	3.50	2.00	5 "	12.00	6.50
3 "	4.50	2.50	6 "	18.00	9.50
3 1/2 "	5.50	3.00			



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OF EVERY DESCRIPTION

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122 W. 25th St., NEW YORK CITY.

Manufacturers of WIRE & DESIGNS and Dealers in

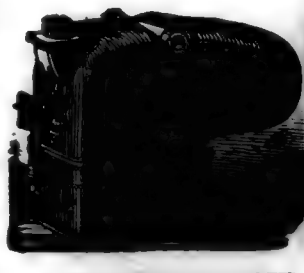
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FOR PARTICULARS ADDRESS JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

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Greenhouse PIPE and

FITTINGS OF EVERY DESCRIPTION.

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Low prices 'til April 15.

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The longer you wait, the more you will have to pay for Boilers.

We have secured large stocks of material at low prices and are prepared to offer our boilers at unchanged low figures **until April 15th.** Orders received up to that date will be booked **at present figures.**

Letters like the one below, written by our old customers, are the best references we can offer. Mr. Graham has one of our boilers in use since **August, 1895,** and two since **May, 1896.**

READ HIS LETTER.

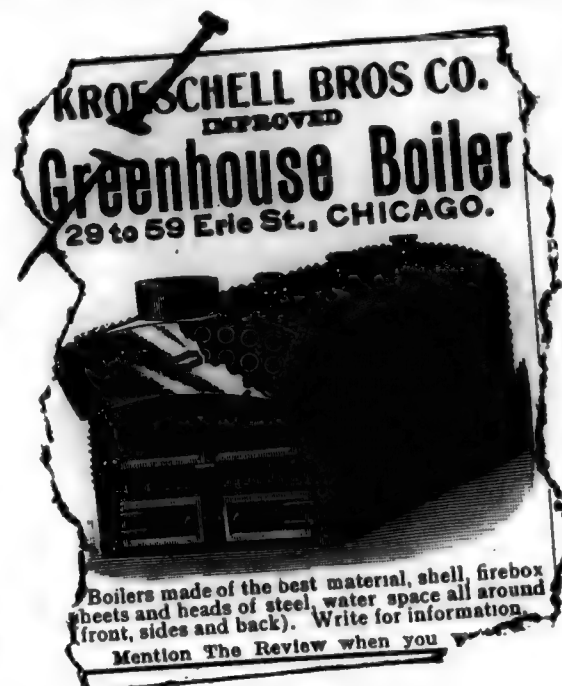
MR. A. B. DAVIS, Purcellville, Va.

Dear Sir:—Replying to your communication in reference to the Kroeschell Bros. Boilers, would say we have no hesitation in recommending them to any one. We consider them first class in every respect and find they do more than they represent them to do. We have three in use and have always found them satisfactory, in fact, we cannot speak too highly of them.

Yours truly,

HUGH GRAHAM.

PHILADELPHIA, PA., March 3, 1899.



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in 4 sizes. Specially adapted for moderate ranges. We also make Sectional Heaters for large ranges.

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Estimates Furnished for Cypress Greenhouse Material.

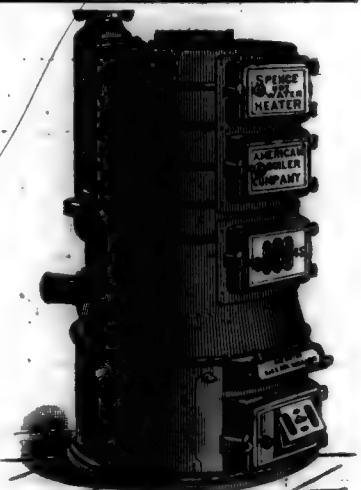
A large gain—

During the year 1898, according to our books, more of our Steam and Hot Water Heaters were sold, by a large percentage, than were used in 1897. Indications are that the percentage of increase this year will be as great.

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KELLOGG-MACKAY-CAMERON COMPANY,
110 LAKE STREET, CHICAGO.

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"SPENCE" HEATER.

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GULF CYPRESS BARS, ETC.
Manufactured by S. Jacobs & Sons, Factory, Queens Borough, N.Y.
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WHITE LEAD, PUTTY, ETC., AT WHOLESALE.
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GALVANIZED WIRE
100 POUND ROLLS—SHORT LENGTHS
RUN FROM 65 FEET UP. PRICE
PER ROLL 100 POUNDS \$1.15.
OUR PRICES ARE 1/2% OF OTHERS.
ANY GAUGE FROM 8 TO 16
(CHICAGO)
HOUSE WRECKING CO.
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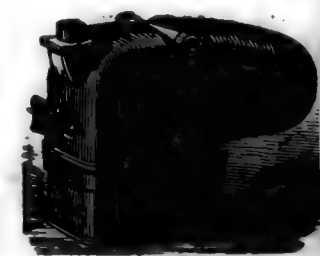
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SPECIAL SPRING NUMBER.

THE WEEKLY FLORISTS REVIEW

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Vol. III.

CHICAGO AND NEW YORK, MARCH 23, 1899.

No. 69.



Window display by W. J. Palmer & Son, Buffalo, N. Y., Symbolizing the Pan-American Exposition, to be held in Buffalo in 1901.

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Established 1836

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Send 4 cents postage for catalogue of Patent Iron Greenhouse Construction.

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HOT WATER HEATER

Specially adapted to large Ranges. Will heat up to 16,500 feet of glass.

Large Heating Surface

Perfect

Combustion,

Highest

Economy,

Moderate

Cost.

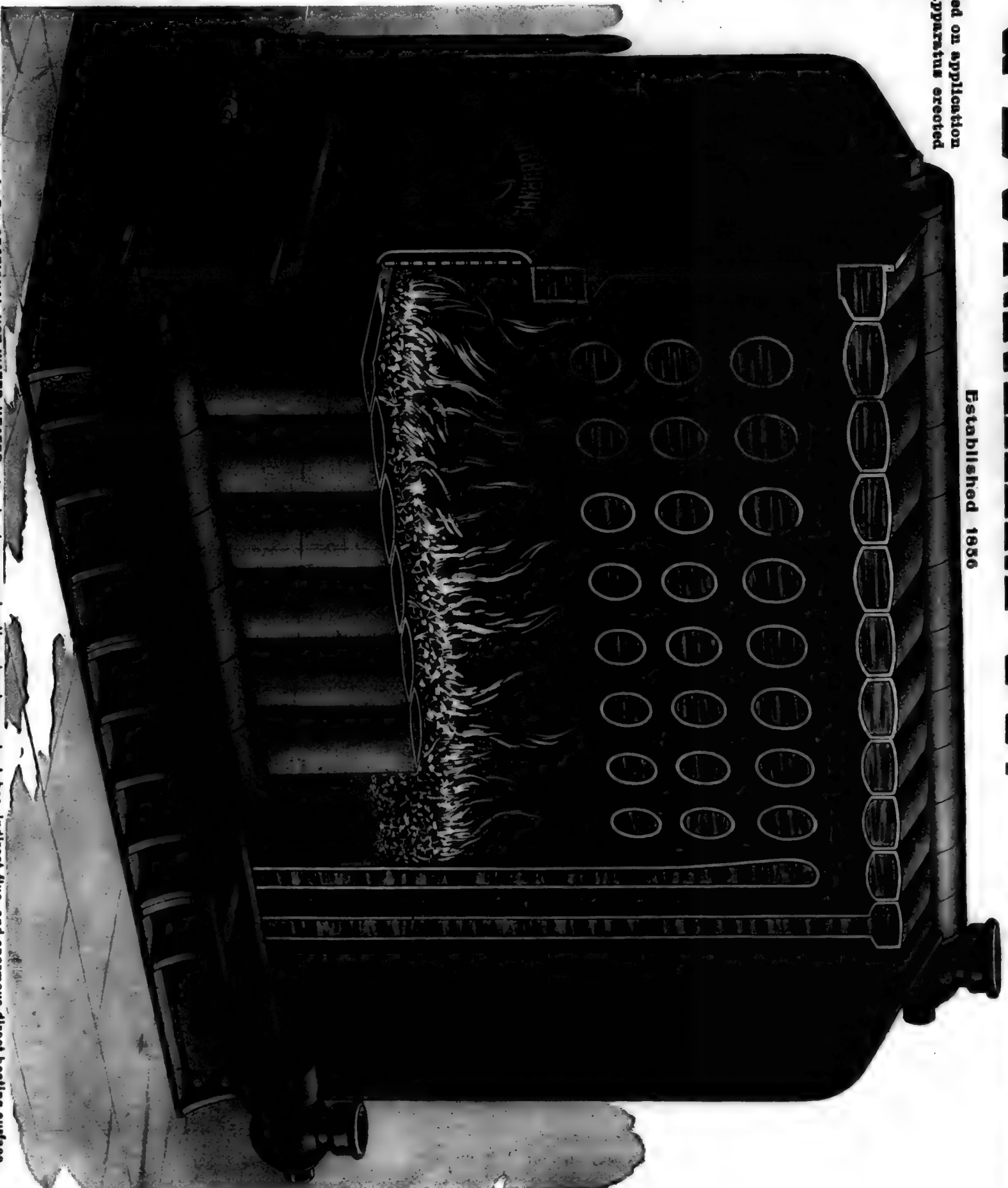
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Send 5 cents postage to New York Office for latest catalogue of Heating and Ventilating Apparatus.

Estimates furnished for Cypress Greenhouse Material.

New York Office: St. James Bldg., Broadway & 26th St.

General Office and Works: Irvington-on-Hudson, N. Y.



Part section view of NEW SECTIONAL HOT WATER HEATER, showing large combustion chamber, water tubes, indirect flue, and enormous direct heating surface.

MISCELLANEOUS SEASONABLE HINTS.

Preparations for Easter.

A very dull, cloudy, changeable month this has been so far and those who looked for bright weather to hasten their tardy crops have been disappointed. There are always some batches early enough but I think on the whole our principal Easter plants are rather backward. A good deal of maneuvering has to be done both to get room till the Easter congestion is over and to push some late crops or hold others in good condition that are a week too early. There will be a week after you see these lines till the crops are marketed, yet a few hints may be useful to some beginners.

If lilies are well out they will keep a week and longer in any cool cellar or basement where there is little light just as well as they will under glass. If they are what you think is just right and you have been forcing pretty hard, don't move them out of the warm house to a cooler until there are at least two flowers open, for they almost stand still when given a drop of 15 degrees.

Last year we had a fine lot of azaleas, principally Van der Cruyssen and Prof. Wolters, that were fully out two weeks before Easter. They were more than ten days in a cool light basement and kept in perfect order. This year there is no need of such treatment. The bulk of the azaleas are in to a day, while a few varieties like Emperor de Brazil, perhaps backward, will open quickly in a warm house. There is no harm or fraud in forcing out an azalea and it does not impair its future welfare.

For the first time in my recollection the cytisus, or as many call it the genista, needs a good warm heat; give it to them if there is any hope at all. Acacia armata has come along about right in a cool house, but if the winter had been an ordinary one it is hard work to keep them back. Their pretty little globular flower is easily spoilt and you must keep water away from them entirely, although the roots want a copious supply. This beautiful plant will not force; we have tried it. It must come along slowly in a cool house; I mean by that not over 50 degrees at night.

Lilac if too early will keep in a cool dry cellar for ten days and actual-

ly seem all the better for it. With us the *Spiraea japonica* (astilbe) is decidedly late, or rather there has been the need of high pressure forcing. If stood in 8-inch pans and the pans kept filled with strong liquid manure it will help it very much. This plant is roughly treated; you crowd a clump of roots into a pot about filling the pot, so it needs water; water all the time. I hope you put your rhododendrons in your warmest house and syringed them three times a day. If so, you have them in flower. When well out they last a long time in a cool house.

I have had some good natured criticism from my neighbors on the length of time I gave for the opening of tulips, narcissus and hyacinths in a late number. I feel sure from my own experience I was right. It is March we are growing them in, not April, as it often is. It is sunshine that hurries out these spring bulbs and if a day or two too early keep the sun off of them. You have noticed that a tulip flower, when it has reached full development, opens widely every day that the sun shines on them and closes again at night. This they will do for four or five days and then this ceases and they remain in a sort of cup-shaped form; that is the beginning of the end. So, if early, place them under a bench in a cool house where the influence of the sun will not be felt and they will remain many days in good condition. Hyacinths, as we all know well, keep several days in a cool cellar after being out. I have been supposing that you may have to resort to these methods. I trust not, and that all your crops have hit the date to a dot.

Make a note that when you want Crimson Rambler, or any of the Ramblers in good bloom by the first of April, that twelve weeks in the greenhouse is none too much to allow them; 14 weeks is much better. You cannot force these roses beyond a certain limit and the first six weeks of their time indoors must certainly be a cool time, so I find that fourteen weeks is not too much for them. This would be a bad time to neglect fumigating and a few days before Easter would be a poor time to be compelled to "smoke," so the earliest days of the week get rid of aphids that your customers may

not say the plant you sent them was "covered with lice," for that is usually the comprehensive and emphatic language of the complaint.

This is a good time to start *Caladium esculentum*, the elephant's ears, for which we find so much use. There is always a useless piece of the tuber that can be cut off; the roots start from near the crown. We put them in flats three inches deep, in fact, tulip flats, in a mixture of sand and rotted manure. You can put the bulbs nearly touching and place the flats on the pipes. They occupy no valuable room and start at once, and after Easter you will have time and room to put them in 5-inch pots. The cannas that were so treated two weeks ago are up and six inches high, and won't be injured by remaining another week or so in flats, but take them off the pipes before they get drawn. You will not have bench room to spare until after the big flower festival, but it is a good time to put in all cuttings of all those plants which have to be of some size when your customers want them, such as salvias, heliotropes, lemon verbenas, etc.

WILLIAM SCOTT.

ASPARAGUS SPRENGERII.

F. C. C. asks: "Will you please tell us in The Review how to manage our *Asparagus Sprengeri*? We have it now in 8-inch pots and the bulbs forming at the bottom lift the ball up so it is a half-inch at least above the rim, making it difficult to water. We have kept shifting the plants as they needed it, and they have acted in the same way, after each potting."

Our experience with this most useful plant does not warrant us in saying that you can divide it or in repotting that you could cut off considerable of the center roots because we have not tried it, but it seems perfectly reasonable that you could with safety; although I believe that it is better for the commercial man when the roots have entirely filled an 8-inch pot and the plants have crowded the pots to the extent that the plant is exhausted and the fronds are no longer a good color, to discard them, and depend on younger plants. Plants of not more than two years' growth are more satisfactory of *A. plumosus* and also of *smilax* (closely allied to *asparagus*) than older plants. We have seen hanging baskets of *A. Sprengeri* that are a mass of roots, throwing out grand fronds and an occasional watering with liquid manure will help it. One pound of nitrate of soda in 40 gallons of water will give it a fine color.

While on the subject I may say that hanging baskets are an expensive and laborious way of growing *Sprengeri* and a 6 or 8-inch pot on a bench does not give it a fair chance to develop its fine sprays. An excellent way to grow it for cutting is to plant it in long boxes; let the box be 10 inches

wide, 8 inches deep and any desired length. These boxes could be placed across the width where ordinarily a middle bench would be, but should not be on a bench, but raised two feet from the ground, and the boxes should not be nearer than 24 or 30 inches. This will give the three or four foot

growths plenty of room to grow and droop down without any crowding. A good strong plant from a 3 or 4-inch pot planted in these boxes in June will give grand results from October on and should be good for almost a continuous cutting for two years.

WILLIAM SCOTT.



Easter Ideas.

Well, what's Easter going to be? It all depends on the weather. If it is fine and mild this Easter will be a record breaker. Reports from all over tell us lilies will be scarce and poor—well, let them be, we no longer depend on them; in fact, we can almost do without them. A poor lily is dear at any price.

This is what we have for Easter in New York and how we shall arrange and sell them. We have gotten up a cheap tub, painted white, the iron bands painted green, some gold; they cost from 30 to 50 cents. In these we put six pots of lilies, tie a bow of ribbon half way up the stems and sell them for \$10; larger tubs can be arranged to sell from \$15 to \$25; fix up some roses in the same way. There is nothing finer than one of these tubs filled with Crimson Rambler or some of the hybrids. Roses will be the greatest seller in New York this Easter. Fine specimen Crimson Ramblers, the pots covered with green crepe paper and a bow of crimson ribbon will sell for from \$7 to \$12, and if three or four are put in a tub they will bring double the price.

Baskets are too dear to use; there is too much fancy nonsense and high price tags about baskets when a quantity of them is required. Get the cheapest and simplest baskets you can, old fashioned hampers, market baskets, potato baskets, in fact any kind but the high creations. Fill one with Cyclamen one color, another with Lady Campbell violets, then try one with mixed pansies, that low one with *Primula vulgaris*, *Primula obconica*, *Primula veris* or *Primula verticillata*. They make up splendidly and with just a bow of ribbon to match each flower

they will readily bring from \$5 to \$10 a basket. Some more can be made up with *myosotis* Blue Perfection, *mignonette* Golden Queen. Baskets of crimson clover in flower will be a novelty and will go in a rush, so will baskets of Cupid sweet peas.

There will be an endless variety of flowering plants to select from. Tubs or plants of the double white lilac *M. Lemoine* will be popular and will sell from \$3 to \$5 a plant. *Azalea Mollis* and *A. pontica* will make charming effects if trimmed properly.

Perhaps the greatest and most charming of all novelties on the market this Easter will be the double flowering Japan cherry. These are dwarf twisted trees about two feet in height grown in 8-inch pans; the trees are one mass of lovely blossoms, trimmed up they sell for \$5 each. Baskets of gardenias will bring big prices so will good specimen orchids if they are not made hideous with crepe paper. Hydrangeas are not over plentiful and for that reason will be snapped up at good prices.

Let us go back to roses. There are many good old and new roses on the market such as *White Rambler*, *Manda's Wichuraiana* hybrids, etc., etc., which will sell quickly and at good figures either by themselves or mixed with *Crimson Rambler* or other roses. There will be an abundance of tulips and jonquills in pans and boxes and they look fine; pans from \$1.50 to \$2.50; boxes from \$5 to \$7. Baskets of wall flowers and hardy pinks will be seen. *Azaleas* and *rhododendrons* will be extra fine and plentiful; get the new one, *Victoria*, if not then go in for the double pink colors.

Boronias, *ericas* and *epacris* make grand Easter plants. Just a bit of Scotch plaid ribbon on the heather

will be O. K. Now don't choke and disfigure your plants with too much crepe paper and ribbon. It is quite true that a little paper and ribbon will make a plant look and sell better, but be moderate in their use. Wherever possible use simple low baskets or the plain white painted tub. There are many beautiful new ribbons to be used this Easter; the gauze effects will lead in popularity.

As to cut flowers, make a specialty of new flowers if you can. Get some of the new roses or carnations and have them stand out prominently. Put your flowers in neat boxes, tie the special ones with a bow of gauze ribbon and above all have your orders delivered neatly and on time. Remember it is useless to spend all your talents on "making up" if the messenger is careless or clumsy.

A good Easter to everybody. In haste.
IVERA.

STEMMING CARNATIONS.

There are still many florists who use toothpicks in stemming carnations for design work, and those who use wire only say that the toothpick method is not only less effective but requires much more labor. The assertion is made that a stemmer using wire only can stem twice as many flowers in a given time and that the flowers will be less likely to drop out of the designs, as in pushing the wire stem into the moss it curves and clinches.



Stemming Carnations.

The accompanying engraving shows the wire method of stemming. No. 24 wire is cut into suitable lengths, one end is passed through the center of the calyx, the end bent down and the other twisted around, as shown in the sketch. It is done with remarkable rapidity. Any one still using toothpicks will find this suggestion a valuable one.

OUR PRIZE COMPETITION.

Vote Now.

In this issue appear the last of the accepted entries in our prize competition, and realizing that to vote intelligently our readers should have all before them at one time we reprint those that have already appeared.

Three prizes were offered, of \$25, \$15 and \$10 respectively, for "Really valuable and practical labor or money-saving device or method of culture of benefit to florists." The awards are to be made by the readers of the Florists' Review, a majority vote to rule. Every reader is requested to vote so we may have a full and complete expression. Each entry is numbered and in voting readers are requested to indicate their choice for first, second and third prizes. Every ballot must be signed with the name and address of the voter. Use a postal card and write your ballot about as follows:

Prize Competition.

First Prize No. —.

Second Prize No. —.

Third Prize No. —.

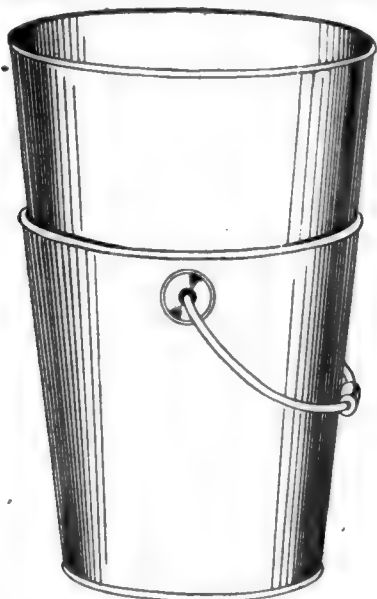
Name

Address

The ballot will close April 8 (be sure yours is sent in before that date), and the result will be announced in our issue of April 13, giving the names and addresses of the winners.

The Entries.

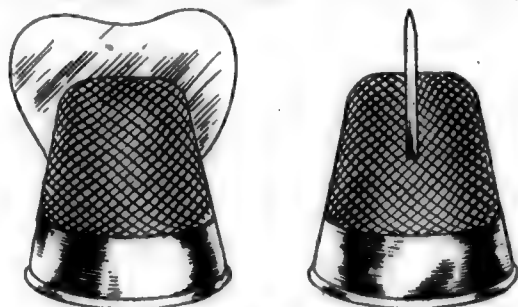
No. 1. In this the main idea is an extension to a bucket. The bucket itself is inside and is used for holding flowers (particularly carnations) with rather short stems. The same bucket is used for the long-stemmed flowers



No. 1. Extension to Bucket for holding Cut Flowers.

by using the extension as shown, which slips out when not in use. The extension of course has no bottom. I find the galvanized iron buckets made of various sizes the very best and handiest for holding flowers. The ex-

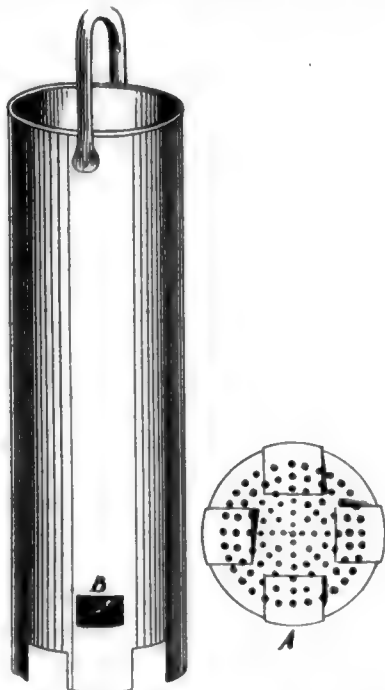
tension simply makes them still more useful. The most convenient size I find to be about 10½ inches deep and 12 inches in diameter. Seven inches I find to be a good depth for the extension, but of course it could be made



No. 2. Finger Knife.

of any size. The flare should be the same as that of the bucket and fit snugly to the top of same. A.

No. 2. This might be called a finger knife. A thin blade of the best steel is cut in the shape shown and firmly fastened on the outside of a thimble. The top concave edge is sharpened, the side edges are blunt. It is used by placing the thimble on the middle

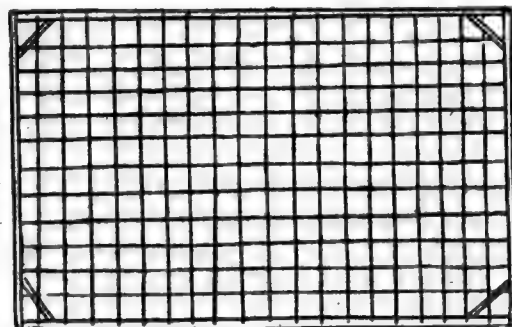


No. 3. Cheap and Efficient Smoker.

finger and turning the blade cross-wise of the hand. Its use is to sever the stems of carnations or other plants. The stem is grasped in the thumb and finger and the knife edge pressed against the stem below, making an upward cut. This is a particularly handy implement when the stems are tough and hard to break off. A.

No. 3. This is a very cheap and efficient "smoker" for fumigating with tobacco stems. It is made of 6-inch or 8-inch second-hand stovepipe, which can be had almost for the asking. Four notches are cut in the lower end, as shown, and the pieces turned in to hold the perforated bottom shown at A in the figure. A hole just above the bottom (see B in figure) is for the purpose of lighting the "smoker."

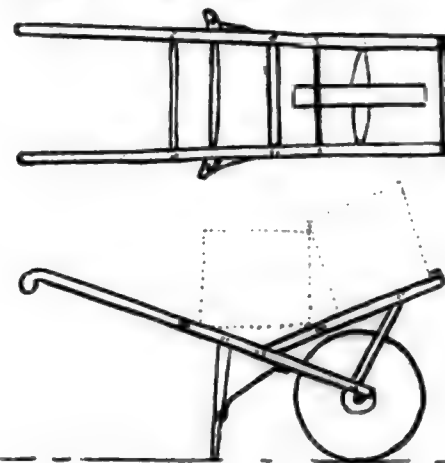
We use these smokers in this way: First, a single handful of light shavings or paper is placed in front of the opening (B) on the bottom; on top of the shavings a little perfectly dry tobacco stems; the whole smoker from the bottom up is then filled with well dampened stems. A match is applied to the shavings, and when well lighted the smoker is set where wanted and the stems well pressed down to prevent blazing.



No. 4. Support for Bedded Plants.

I have used these for a number of years and have seen nothing that will compare with them for cheapness, handiness and effectiveness. Another advantage they possess is that they save all the tobacco ashes. After using the smokers the ashes are all emptied into a barrel for future use as a fertilizer. A.

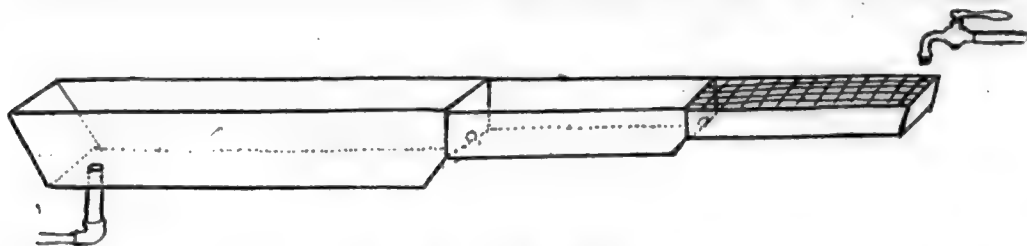
No. 4 is a support for bedded plants such as carnations, asters, niglonette, etc. It is a wooden frame made of wooden strips about one inch square, made the same width as the bed, and of convenient length (6 to 8 feet) to



No. 5. Convenient Wheelbarrow.

be easily handled. Wire or string is stretched both ways to make a 3-inch mesh. Or 3-inch mesh wire netting makes a good cover. These frames are easily supported above the plants at the proper height by the means of stakes driven in the ground; or the frames can rest on wires stretched horizontally from the roof support pipes. Well made frames of this sort will last a number of years and can be used in an upright position for vines. B.

No. 5 is a most convenient wheel-



No. 6. Method of keeping Cut Flowers.

barrow to use in taking soil in and out of the greenhouses, where the ordinary wheelbarrow cannot be used. Although it is about 6 feet long and wide enough to hold two good sized soap boxes filled with earth, it can be easily run in the most narrow walks, also turned at the average short turns at the end of the greenhouses. B.

No. 6 shows at a glance the proper way to keep cut flowers over night in the dark cellar. Make depth of troughs to suit length of stems of the flowers

ery steel, forged to shape and welded on to a one-fourth inch gas pipe handle. This handle is three to four feet long, in short lengths screwed together with pipe sockets, so that it can be lengthened or shortened as desired. The long handle allows one to reach any part of a bed or greenhouse bench without breaking his back or stretching his arms more than a foot longer than their usual length. It can be made by any blacksmith, and the cost is slight. C.

No. 8 shows a device for applying



No. 7. Long Handled Hand Weeder.

you grow. For violets use a frame of 2-inch wire netting over trough to support the bunches. Have stopper at lowest end, which should be opened the first thing you do when you go to pack, which will allow the water to

water to the roots of plants when it is desirable to avoid wetting the foliage. It is a piece of gas pipe long enough to reach across the bench. It is closed at one end and fitted with a globe valve at the other, which is attached to the hose. The pipe has two rows of small holes drilled in the under side. The holes are drilled at the right angles, so that when the pipe is shoved between two rows of plants there will be a row of jets of water thrown on each row of plants. With a little care no water need be thrown on the foliage. The photo explains itself. C.

No. 9 is a device for screening soil or sand that can be made at a cost of about 15 cents. A piece of wire cloth

feet from the end left rough. Set the box with the wire bottom on these two boards and nail one side to the scantling. To use the screen, place the rough end of the scantling on the ground and let your helper shovel into the screen while you move the handle back and forth. The photo shows the affair. This device will screen about four times as fast as a man can with an ordinary hand screen. C.



No. 9. For Screening Soil.

No. 10 is a double deck potting bench. The upper shelf holds the soil, the lower one the pots and plants. The upper one is just high enough above the lower one to allow the largest pot in general use around the place to slide under. On the edge of this shelf



No. 8. Hoze Nozzle.

run off and stems to drain off surplus water, while you are preparing your boxes. B.

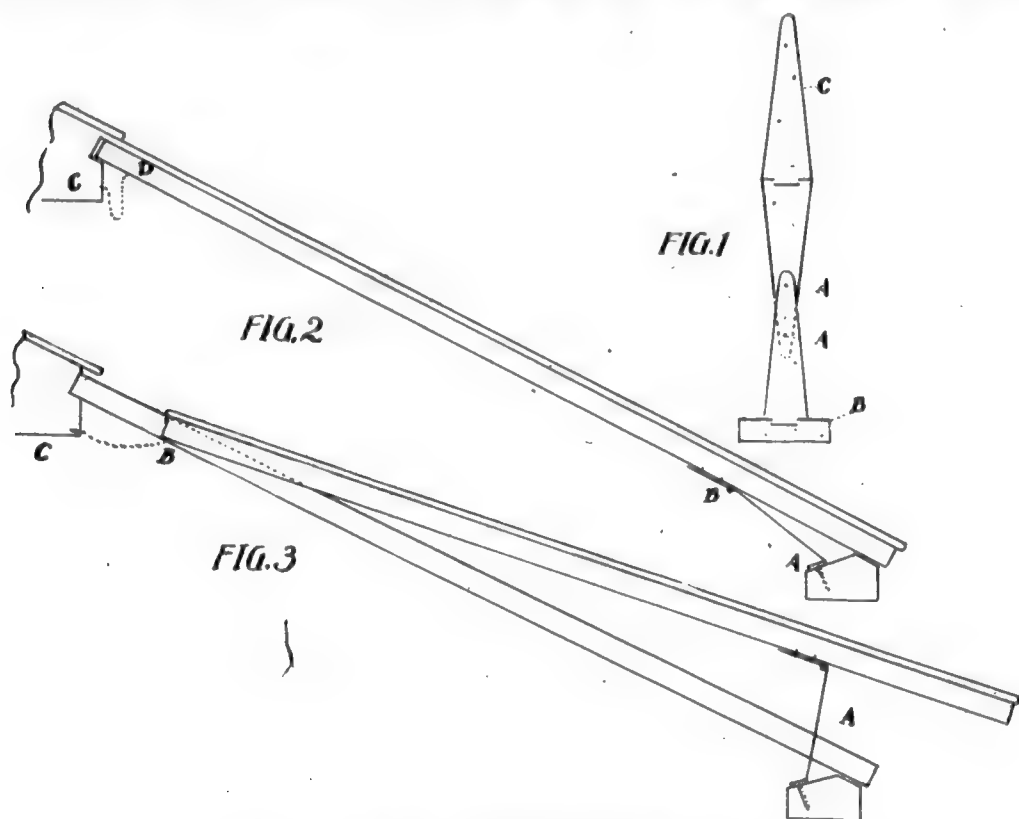
No. 7 is a modification of the hand-weeders sold in the stores. It differs from them in being made of machin-



No. 10. Double Deck Potting Bench.

of the required mesh is put on the bottom of any old box, the top and bottom having first been removed. The wire is attached with small staples. Now take a piece of scantling about four feet long, shave off one end for a handle, and nail two pieces of board on each side about two and one-half

is fitted a sheet iron spout. In use the pot is pushed under the spout, the plant is held in position by the left hand while with one sweep of the right hand enough soil is brought down to fill the pot. There is no changing of hands or going after soil twice. C.



No. 11. Device for Ventilating a Sash House.

No. 11 is a simple device for thoroughly ventilating a sash house, either span roof or lean-to. The invention is entirely my own, and I have used it on my violet house and other cool houses with the most satisfactory results. To those who have had any experience in the difficult work of airing a house of the above kind, top and bottom, this device will particularly appeal.

My violet house is a span with common 3x6 sash on each side. Every other sash is screwed solidly top and bottom to ridge and plate and constitute the only fixed portion of the roof. The other alternate sashes are for ventilation and fit loosely in the spaces. A half round or other strip is screwed on each side of movable sash, projecting an inch or so over the fixed sash, forming at same time a cap to keep out the rain and a support for the movable sash. The ventilating sashes may be opposite each other or opposite the fixed sashes; it is immaterial as regards the device.

This latter consists of a double jointed hinge (Fig. 1), which can be made to order or improvised, as I did, by riveting a T hinge and a strap hinge together as shown in the diagram, a, a, (Fig. 1), being rivets. Two of these double jointed hinges are required for each sash to be opened, one on each side. The T part of hinge (B, Fig. 1) is screwed on to plate (A, Fig. 2) and the strap end (C, Fig. 1) on to the sash (B, Fig. 2), the sash being closed tight at the time. When both hinges are in place a slight pushing outward from the inside of the house will bring the sash in position shown in Fig. 3. The upper part is supported by the half-round cap and slides down on edge of fixed sash, the lower part moves upward and outward until the part of hinge A, Fig. 3, has passed just beyond the perpendicular, where it can be held by a light piece of chain fixed to top

of each sash and the ridge, b, c, Fig. 3; c, d, Fig. 2. No wind can disturb the sashes in this position.

A slight pull from the inside closes the sash, the cam-like action of the hinge pushing it home by its own weight and holding it there. This device is so mechanically perfect that it is quite fascinating to operate it. A man can open and close the sashes on a house almost as fast as he can walk.

D.

No. 12. There is generally a little thinning out to do among chrysanthemums. Surplus shoots may be rooted now and then stuck very close together into pots of rich soil and they will make dwarf, bushy plants. Put them almost touching one another in the pots.

E.

No. 13. If palms are badly covered with scale it is very expensive to clean them by hand. Lay them on a hard flat surface, keeping the leaves out straight, and give them the full pressure of water through a nozzle on the end of the hose. Operator must wear rubber boots and not be afraid of a little water. Turn the plants and give them a good dose all around. A wad of newspaper on top of pot will keep the soil from falling or being washed out as the pot is rolled around. One man can clean more palms this way than five can by hand.

E.

No. 14. We have found that a few rows of corn planted very thinly among the violets outdoors gives a useful shade in summer. For planting inside use lots of leaf mould. Water in winter with liquid sheep manure. Some of the grandest violets ever grown were watered with ice cold water.

E.

No. 15. Before you use new pots, always play the hose on them several times. Plants do not like the extreme dryness of a new pot.

E.

No. 16. Roses affected by grubs of any kind at the root may be saved by persistent application of lime water.

E.

No. 17. I don't know whether this is in use anywhere or not, but I think a large box with four grooved wheels to run along the edge boards of two benches of even height would be a good thing to use in filling or emptying houses.

E.

No. 18. I have been experimenting with substitutes for glass for florists' use. I find oiled paper better than anything else I have tried. Light and heat pass through the oiled paper, when new and clean, good enough for any plants.

The way to secure the paper is my invention and is not patented. I want all my florist friends to have the benefit as well as myself. To use the paper erect any frame you want and then put on an even tight covering of poultry wire netting (2-inch mesh, No. 20 wire is good.) Put the paper on top of the wire and then cover with another netting. Nail a lath on top of each rafter. The paper between the netting cannot get away or break and it makes the best summer roof I have tried. I use strong paper 30 inches wide and lap over about 2 inches. I place a roll of paper on a long table and rub in raw linseed oil with a rag (a brush is no good) and roll up on another roller as I oil it until I have enough oiled and then take the first calm day to put it on the building.

This is very cheap, and useful for many purposes. The cost of material is only about one dollar per hundred feet and the labor is not much. The paper is easily renewed when dirty. I renew my paper twice a year. Don't laugh at this, but try it as I have. I find begonias and ferns do finely under the paper and if the building is made tight it will keep out about six degrees of frost here. Try it for late chrysanthemums.

F.

California.

No. 19. This is an instrument that has proven of great value to me, especially in the hands of inexperienced help in the rose houses. Attached to the handle is a strip of flexible steel



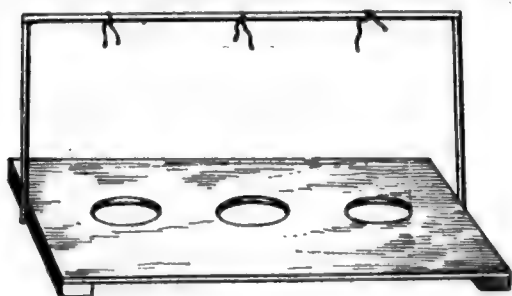
No. 19. Instrument for Loosening Soil.

about 22 inches long and 1½ inches wide. The edge intended for the blade should be drawn in to an angle of about twenty degrees so that when necessary the soil can be easily loosened. The strip being bent into the form of a triangle is attached to the handle by rivets.

The steel being flexible the danger of breaking young plants or barking old ones is diminished. Its advantage

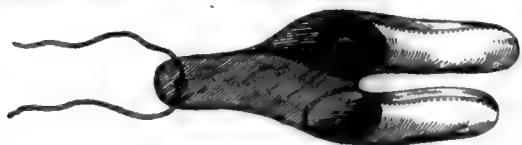
over a toothed instrument in not disturbing the roots of the plants is apparent. With this tool work can be accomplished with great rapidity by inexperienced help. It is cheap and durable. G.

No. 20 is a tray for holding Easter lilies when delivering. It consists of a 10-inch board, three feet long, with



No. 20. Tray for Delivering Easter Lilies.

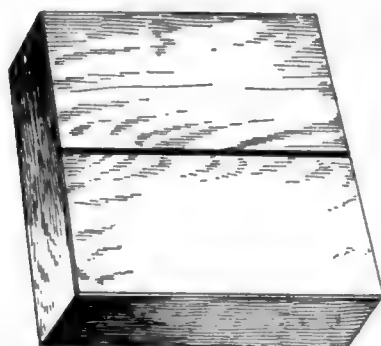
three 5½-inch holes, six inches apart, which allows about one inch space between the tops of the pots when set in. Two strips are nailed across the bottom of the board at the ends, raising it about an inch and giving the plants a firm stand. On each end is nailed an upright strip two feet long, and these are connected by a half-inch strip across, to which the stems of the



No. 21. For Washing Palms.

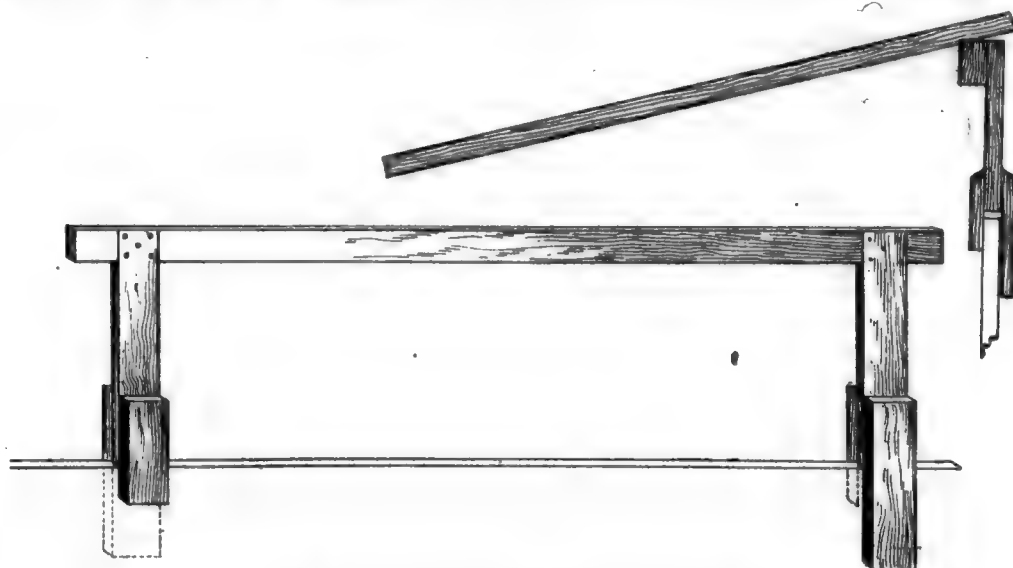
lilies are tied to prevent their moving. This tray holds 6-inch and 7-inch pots, but it can be made to suit various sizes. During last Easter week we delivered over 1,200 lilies in this way, and not one was broken. H.

No. 21 is for washing palms, dracaenas, etc. It is a finger and thumb made of chamols skin, with a string attached to fasten it around the wrist. Dip the finger and thumb in the water or solution to be used, take hold of the leaf near the stem, thumb above



No. 22. Device for Cutting Paper.

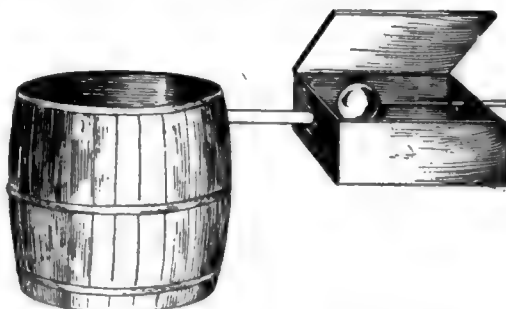
and finger below, and draw the hand out to the end of the leaf. In this way you can remove all scales and dirt from the leaf much quicker than with a sponge. You can hold the leaf with one hand and wash with the other. I.



No. 23. Support for Shading over Frames.

No. 22 is a simple but valuable device for cutting newspapers, etc., into sizes useful for wrapping plants taken out of pots for shipping. It is a box two feet square and four inches deep, with a space a quarter of an inch wide sawn out across the middle of the bottom. Lay the paper upon the box with the place where it is to be cut, over the open slit. Then with a thin-bladed knife cut the paper across through the opening. A pile of paper one-fourth to one-half inch thick can be cut through easily and quickly. We consider this the most useful labor-saving device we have on the place. J.

No. 23 is a support for shades over frames in summer time. It is a frame of light material, the standards of about one and a quarter inch stuff. The drawing shows how it sets over the edge of the frame, making it easily



No. 24. To keep Barrel always Full of Water.

movable from one frame to another as needed and so it can be readily stored when not in use. They can be made any desired length—from one to four sashes long, as most convenient. We have used this for some time and find it a great improvement over the usual stakes and cross pieces. K.

No. 24 is a device for providing a moderate supply of water of the same temperature as the house, and to facilitate watering when a can is used. The box is 6 inches wide and 12 inches deep, and long enough to hold a self-acting water cock, such as is used in the overhead tank in a bathroom. Water is admitted to the box and connecting barrel and is automatically

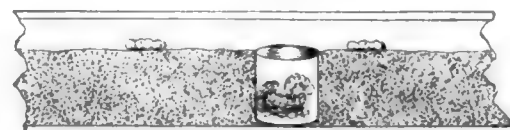
cut off when the barrel is full. Remove a portion from the barrel and an equal quantity is automatically admitted from the supply pipe. Where a tank is built under the bench the self-acting water cock can be placed in one end of it.

The idea is to keep the tank or barrel full of water all the time, which not only keeps the water the same temperature as the greenhouse but insures a full barrel or tank to dip from when watering with the can. Everyone knows that a man can water much quicker with the can when he can dip the water up instead of being obliged to fill the can at a faucet. The whole cost of the apparatus is less than \$2.00 L.

No. 25. To catch "White Grubs," sometimes called "Rich Worms," the larvae of the "June Bug," so much feared by rose-growers.

Noticing that where they come in contact with the side of a bench or frame they followed it for some distance, I conceived the idea that if a small tin can was sunk into the ground slightly below the surface and touching the board on one side, the grub would probably fall in and be unable to get out. I procured some old vegetable cans and tried the experiment. In a few days I examined the cans and found in thirty-six an average of a little over sixteen to a can.

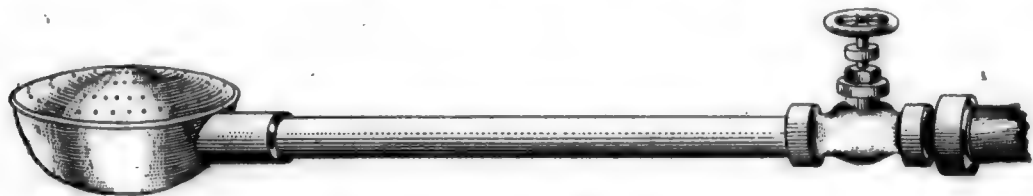
Quite recently I had the same experience with some violet frames and caught over three hundred in about three nights. They seem to do their traveling at night. One can contained



No. 25. Trap for Grubs.

forty-six the third day after being sunk in the ground. Let any one try this method and the advice of "The Doctors" to "hand-pick" will be thrown to the winds. M.

[The accompanying engraving is not



No. 27. Sprayer and Distributor.

exactly in accordance with the sketch sent by M. The top of the can should be somewhat below the surface, and the grubs promenading on the surface of the soil are "improvements" made by the draughtsman without orders. —Ed.]

No. 26. I have noticed in several journals the advice to keep fancy caladium bulbs in a warm, "dry" place during winter. I have seen hundreds of bulbs ruined by a species of dry rot when kept thus, but have never seen a single bulb lost when they were kept in a moist condition in a suitable temperature.

Put them in a box and cover with sand or soil when shaken out of the soil in which they were grown. Stand in a warm place, keep moist at all times and the bulbs will turn out when wanted as plump as when put away. There will be no loss if the bulbs are in proper condition when stored. Try a few this way if you are in doubt. M.

No. 27. This device is one I have found invaluable for syringing all plants and particularly the under side of the foliage of roses, etc.

It consists of a brass rose (the top being screwed on to the lower part and therefore removable), a piece of one-fourth inch brass pipe threaded at both ends, a one-fourth inch Globe valve and a brass reducer to reduce from the size of the hose coupling to the valve.

The device was intended primarily as a sprayer to reach the under side of the foliage effectively, but have found it exceedingly useful in other ways, on account of the perfect control given the user through the Globe valve. By



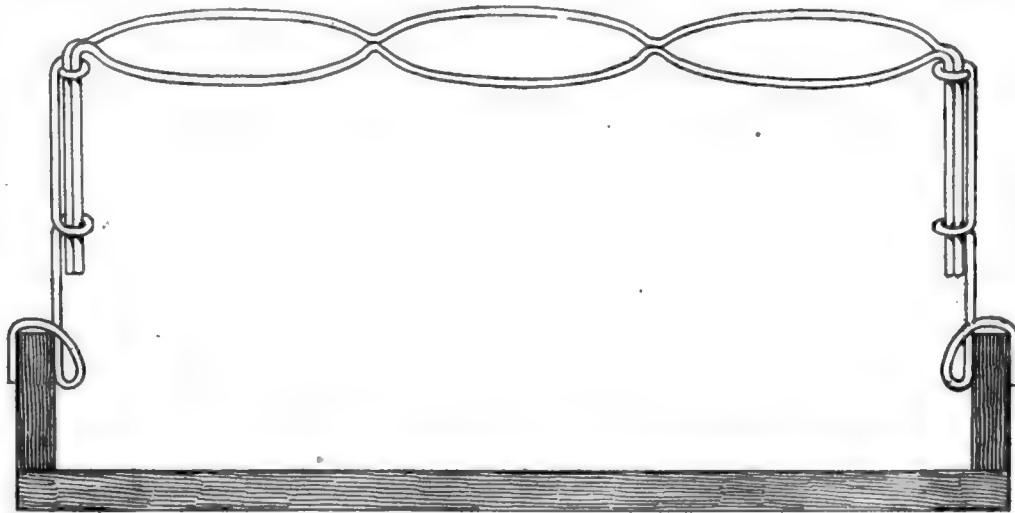
No. 29. Weeder.

this use of the valve the spray can be made with the full force of the water or graduated down to a gentle rain.

With it I can distribute liquid manure without wasting a drop; can water dry plants among a lot of others that are already wet enough; can water plants without wetting the foliage (such as gloxinias, tuberous rooted begonias, etc.); can water hanging baskets suspended from the ridge, without having to remove the baskets; can water seed pans and small seedlings; can water the propagating bench without washing out the cuttings.

My first sprayer was made of tin and answered very well, only the rose was made solid and was difficult to clean. So I had one made of brass and the rose made in two parts, so I could unscrew the perforated rose from the cup and readily clean it. N.

No. 28 is a carnation support used by us for the past three seasons. As will be seen from the engraving it consists of two legs and two cross wires to each tier. The legs have a ring turned in them every four inches and can be made for two or three tiers to suit any variety of carnations we



No. 28. Carnation Support.

have; two tiers are enough for plants 30 inches high. It is necessary to have the foot fit snugly to side boards of benches to make support rigid. The loops are 4 inches wide by 5 inches long, giving a space when both are in position of 8 by 6 inches, leaving 2 inches between loops. Where benches require six loops or over, it is necessary to have a supporting wire run through the center the entire length of bench.

The legs are made of No. 10 galvanized wire, the crosswires of No. 12. We have in use No. 14, but they bend too easily when taking out in the fall. The support is placed in position as the plants are lifted from the field, before watering, keeping them in an upright condition till they are established.

The advantages we claim for this support are: It is easily placed in position, giving the plant complete freedom, not interfering with picking flowers, mulching, or working among them in any shape; no tying up to be done, only going over them once in a while and pushing the few stragglers into the loops. We figure they cost us about half a cent per plant, valuing our time at a reasonable figure for making them, which requires a little

practice before one gets very expert at it. O.

No. 29 is a weeder I have used on my place for years and I use no other on the bench. With it I can weed around the plants without injuring them in the least, digging as deep or as shallow as I wish.

It is made of one-fourth inch wire. Take a piece of this wire about 16 inches long, curve and flatten one end and shape the other end for a handle and in about five minutes you have one of the best weeders for bench work you ever saw. Try it. P.

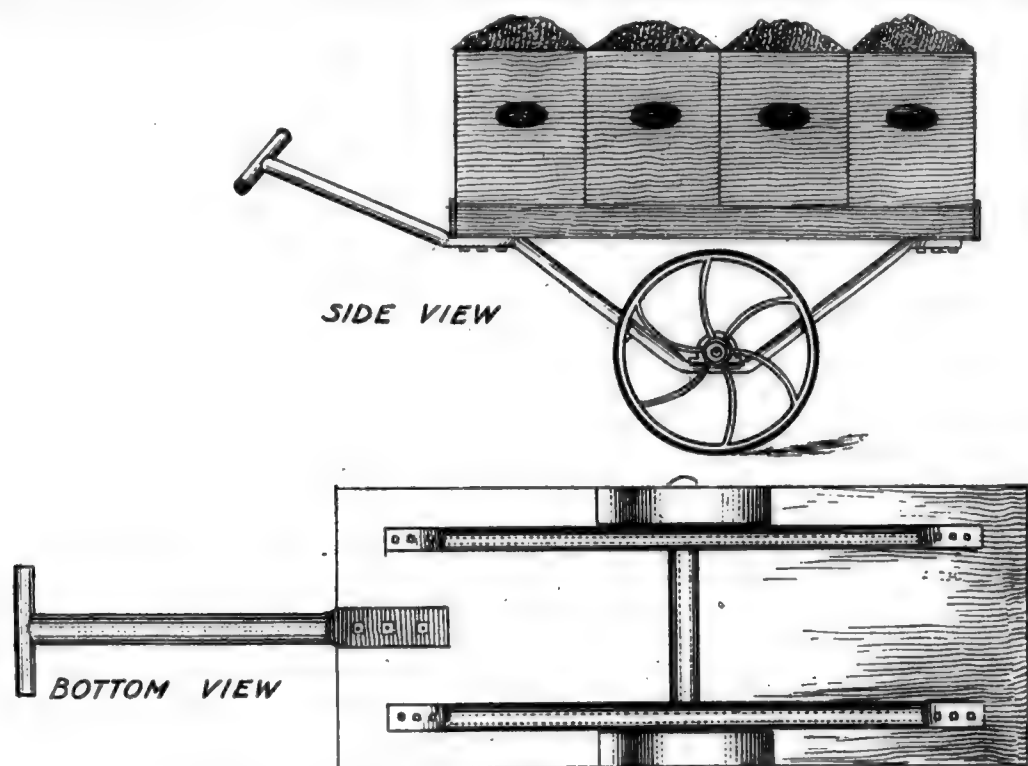
No. 30. This is a cart I had made to save labor in emptying and filling carnation houses with soil. The wheels I bought at a junk shop. They are belt wheels and are 12 inches in diameter, with 2-inch rims. The platform is a piece of 2-inch plank, 18 inches wide

and 36 inches long. The handle is 1½-inch pipe, with a tee on the end. Through the tee I fastened a stick eight inches long. Six inches of the other end is bent under the plank, flattened and fastened to the plank with three bolts.

This cart will turn a very short corner and will travel through a walk only 20 inches wide. It will carry four good-sized boxes of soil, which is one more than a big wheelbarrow will carry, and with much less labor. A boy 15 years of age emptied and filled our six carnation houses in two weeks, in addition to mixing the soil. Last year, without the cart, it took a man and a boy three weeks to do the same work. The weight is all on the wheels and there is none on the arms.

The cart cost me only about \$3.50 to build, and I would not sell it for \$25 if I could not secure another. It paid for itself several times over this fall. Q.

No. 31. There are still florists whose places are so small, or whose finances are so contracted that they feel they cannot afford the manufactured ventilating apparatus. Such will find the ventilator rod illustrated cheap, safe



No. 30. Cart for Carrying Soil in and out of Greenhouses.

and effectual, especially for fastening the ventilators.

The rod is made of a strip of wood two inches wide and three-eighths of an inch thick when dressed. To one end the slot end of a common hinge hasp is attached by either rivets or screws. The strap end of the hinge is screwed to the ventilator as shown in the cut. Slots are cut in the strip or rod according to the requirements of the ventilator and a staple fastened to or driven into the ventilator frame to fit the slots. A slight groove or channel on the underside of the rod connecting the slots is necessary as a guide or track for the staple to run in when raising or lowering the ventilator. Curved rods or strips such as may be made from barrel or hogshead staves usually fit better than straight ones.

If the ventilators are hard to reach and long rods would be inconvenient, short ones may be easily worked by means of a pole with a socket on the end to receive the pointed end of the rod. These rods can also be made of iron and of much smaller dimensions, being particular to have the groove on the under side connecting the slots. T or strap hinges can also be used instead of the hasp, but of course the slot will have to be made and the staple fitted.

This simple fastening can be made and put up by any handy man, such as a florist always is. R.

No. 32. Rose stake tyer. Place a half-inch rubber washer (can be cut from a half-inch hose) behind horizontal wire, bend over top and bottom of washer, push stake through the two holes thus made, stick end of stake into soil. If your washers are small enough your stake will be secured with sufficient firmness. If the washers are a little large, or you need an extra firm tie, push stake nearly way through, give it a half turn and then

stick into soil and your stake is positively immovable. S.

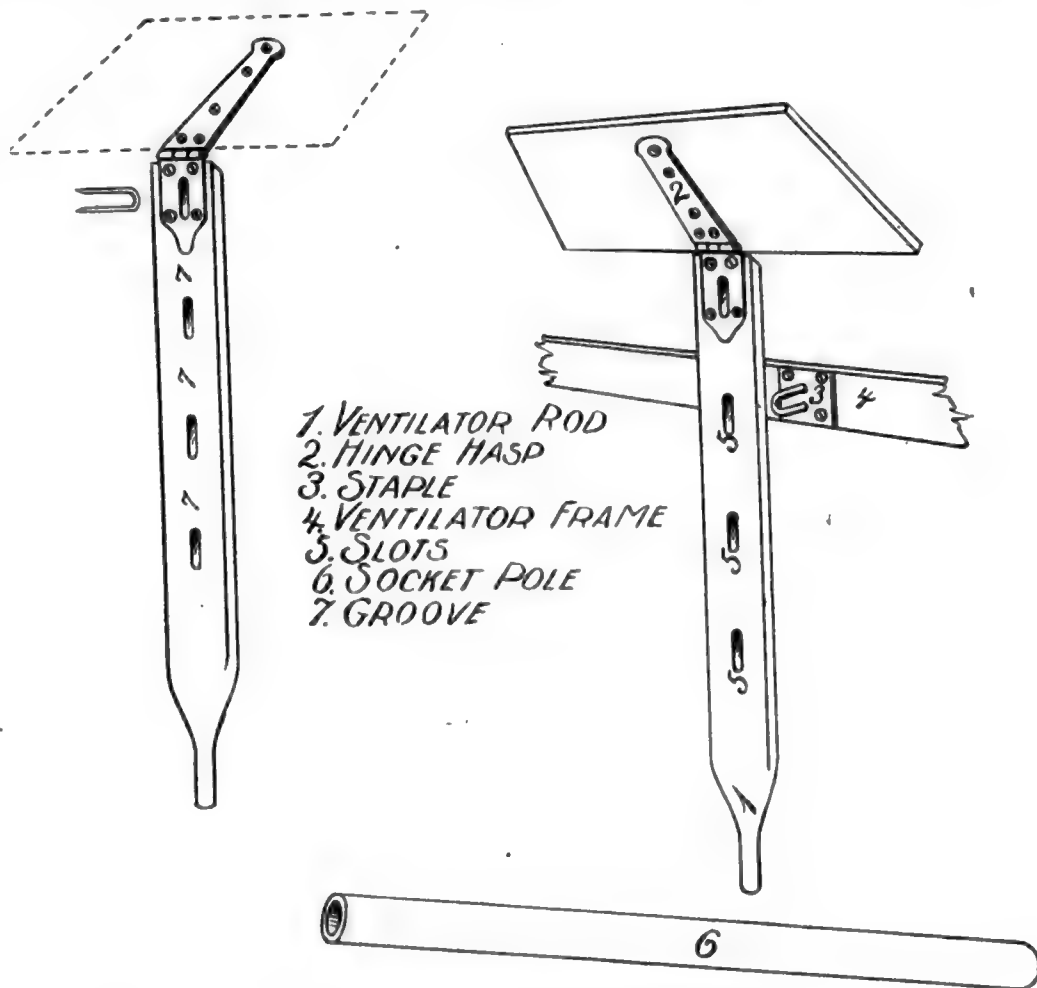
No. 33 is a block of wood two inches square and eight inches long whittled into shape shown in drawing. It is to assist in the rapid shifting of small plants, generally known as thumb-pot stuff, to 3½ and 4-inch pots. We scoop the large sized pot full of soil, brush it level with left hand, pick up peg with right hand, make hole in the

filled pot, then pick up plant from thumb-pot with left hand, place in the opening made by peg and press down firmly with thumbs and forefingers of both hands.

In this way a man with ordinary skill and straight eye can keep three boys or helpers going full speed, getting pots, soil, filling large pots with soil, supplying plants dumped out of small pots and taking finished work away, thereby gaining at least 40 per cent over the old way of shifting, whereby one man can keep only one helper going. T.

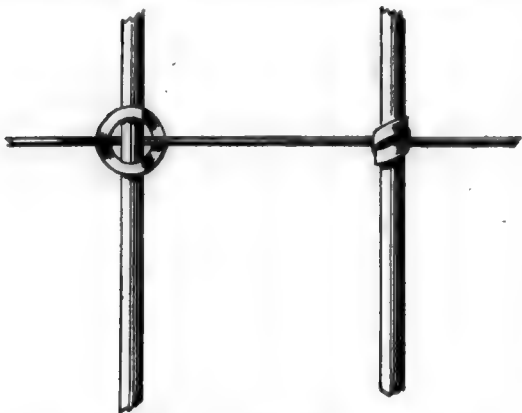
No. 34. Forcing Tomatoes in winter. I sow seed for early winter crop of tomatoes about 15th July. Pot off plants in small pots as soon as they are large enough to handle, and repot when needed until I get them in 4 or 5-inch pots, giving plants full exposure to sun and air in a good light greenhouse, so as to have them stocky and firm. Early in September I prepare bench with about three inches depth of light, sandy loam and put in plants about 18 inches apart each way. I prefer shallow planting, with mulchings of well rotted manure and tobacco stems added as often as I think the plant wants feeding. Too much soil on bench at start gives them too much vine. Water freely at root, but do not wet foliage if it can be avoided.

Keep plants tied or staked up and keep all side shoots pinched out, but do not pinch out tops as long as they are wanted to keep on fruiting. If



No. 31. Ventilator Rod and Fastener.

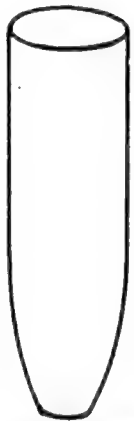
[The slots in the rod at the left should be connected by a shallow channel.]



No. 32. Method of Fastening Rose Stakes.

plants get up to glass trim off lower foliage and bend or layer plants down and start top upward again; in this way I have kept plants growing and fruiting until I commenced to pick from plants outside in July.

I find rose house temperature about right for tomatoes. To set the fruit: When the flower is fully developed I take hold of the stem (close up back of the flower) between the finger and thumb of one hand, and with a finger and thumb of the other hand I take hold of one of the ray petals and carefully pull outward, removing the whole of the petals from the fruit (generally the whole of the petals come off easily together); by removing the petals in this way it brings up the pollen to the end of the pistil and fecundation takes place. Be very careful not to break the pistil or your labor is lost on that flower. I find this the quickest and simplest way it can



No. 33. To use in Shifting Small Plants.

be done. By a little practice one can go over a large number of plants in a very short time. Plants should be gone over every second day, a bright day is better than a cloudy day as then the pollen is free and the set will be sure. I have practiced this method for seven or eight years with unvaried success. U.

No. 35. Carnation support. My support, which I have found very satisfactory, is suggestive of the inverted V of chicken netting, only it has the advantage of enabling me to reach in anywhere among the plants, and does away with the necessity for additional

string support at the top. To make the support take No. 10 galvanized wire, cut into suitable lengths, straighten the pieces, turn each one around a headless nail so as to make a ring in the center, then make four more rings, two on each side, two about seven inches from the center and two about 14 inches. Now bend the whole into the form of an inverted V with the rings on the inside. Three of these, one at each end and one in the middle, will be enough to carry your support across a 6-foot bench. Then run horizontal wires through the rings, bending them at each end so as to hold the whole business steady, there being five horizontal wires to each set of standards, one at the top and two on each side. To keep the carnations from hanging over into the walk and to give additional firmness to the supporters, run two No. 16 wires the whole length of the house

on both sides of the bench, secured by frame at each end of house. These supports can be made by the help on the place at odd moments when not otherwise employed and the expense is slight. V.

No. 36. Stretching Wires. To stretch the top wires when staking roses generally requires at least two men. Being left alone one time I found I could do the work quite as fast without help by a simple expedient. I stretched the wire as well as I could, leaving the loop at each end about two feet long. Then inserting one spike in the end of the loop nearest the single wire and holding it to keep the wire from turning, with another spike in the middle of the loop I twisted the loop until it drew as taut as I wished and with very little effort, and made a very good job. W.



CHRYSANTHEMUMS.

Exhibition Versus Commercial Varieties.

There is today quite a long list of varieties that, while they are invaluable to the exhibitor, cannot for various reasons be grown profitably by the purely commercial grower. Probably the chief reason for this is the fact that the blooms of many fine varieties are soft and easily damaged, consequently cannot stand the handling that flowers in large cities are necessarily subjected to. After passing through the hands of the commission agent and retailer they cannot be delivered to the customer in that pink of condition demanded by the critical flower buyer of today. In cases where the florist both grows and retails his own flowers this objection should not be of such moment as the flowers do not get so much handling and such florists should certainly try to grow as many high class varieties as possible.

We hear a good deal today about the lack of variety in all kinds of flowers and truth to say with good reason, yet how many growers try to get out of the rut? Good customers appreciate a change and I believe would cheerfully pay a dollar a dozen more for a good mum that is entirely new to them if only for a change from the deadly sameness of the eternal Robinson, Bonnaillon or Jones that confront them day by day in the season and perhaps varied by being changed to Bonnaillon, Jones and Rob-

inson. Each of these varieties are excellent, but it is easy to get too much of even a good thing and I believe there would be considerably less talk of a glut in mums if there were more variety to select from.

To some people it may seem hardly the time now to talk of the flowers thus early in the season, but just now the grower is making his plans and working up his stock for planting and while so doing the most important point, the disposition of the future crop, should not be lost sight of. The Japanese section, which attracts so much attention at exhibitions, contains the very finest types for artistic decorations, but many of them cannot be obtained in quantity when needed because owing to the interlacing petals they are much more difficult to ship in good condition. The private gardener is rapidly forcing the commercial man to the wall in the exhibition room and the probabilities are this condition of things will increase, because the gardener has capital back of him to draw on when the other fellow has to go into his own pocket. Another good reason also is the fact that the gardener has got a choice of twenty or thirty varieties from which to select his flowers, often more, against the florist's eight or nine older kinds.

Of course many of the finest exhibition kinds are indispensable to both men, Golden Wedding being a case in point, and many others would be if their merits were more fully known. Plants of standard varieties are cheap

and a thousand plants can be bought for a mere song, but the cheapest is not always the best, and a matter of three or four dollars more now would probably make a difference of a hundred in the fall.

Another reason that is often set forth as a just cause for not growing this or that variety is because it does not produce a big enough percentage of good flowers. It is a fact that some varieties require more care than others to grow successfully, yet, if one plant of a variety will produce a splendid flower why will not another, if all the essential requirements have been properly supplied. A 2:10 trotter requires a little better treatment than an army mule, and a Mrs. Lawson carnation probably needs more care than a Scott, but both get there just the same in the public estimation. Keep up with the times with your varieties, boys, and when your flowers bring fifty cents straight without being unpacked, why the poor old mum is not so blue as he is sometimes dyed after all.

BRIAN BORU.

PLANTING TIME.

It will soon be time to plough the land with the view of future crops. Many florists are asked to supply trees and shrubs for their customers. I was honored in Buffalo in 1889 with a request that I should answer the question: "To what extent should a florist enter the nursery business, or is it advisable that he should engage to supply shrubs and trees?" This is by no means the exact words of the question but its as near as I can quote it after such a lapse of time. My answer was that in very large cities there was room for florists who were strictly florists and could well afford to tell their customers that planting a horse chestnut or a horse radish was entirely out of their line and since then our business has become so specialized that to ask Pennock Bros. of Chestnut St., if they could supply 500 asparagus plants or a weeping willow would sound as absurd as to ask a Chicago undertaker to send you up an honest alderman. In smaller communities the local florist is supposed to be an oracle on trees, shrubs, hardy herbaceous plants, pomology, etc., and culinary vegetables, and he frequently is, but alas! not always. There are no greater frauds going the rounds of this earth than the tree peddler. If he had an actual knowledge of trees and how to plant and care for them he would not be an agent for he would have a job in some reputable establishment for men of that calibre are scarce. The tree agent is as devoid of knowledge of what he assumes to talk about as the present beef investigating committee is determined to end their expensive labors in chaos. People have soured against them and of late there is a much greater inclination for our citizens to refer their wants to the re-

sponsible local florist. If the florist is a man who values his reputation better than his profit he will tell his patron when and how and what to plant.

Condition of Soil.

We seldom have the ground dry enough to "work" before the middle of April, at least not here; and remember one thing which should be known by all that to puddle round in the field or farm or attempt to handle soil, ground or earth when wet is simply ruination. I gave the upper surface of our crust three names because it is so difficult to find out which is right. When a cultivated matron slips up to the counter and says: "Mr. S., could you deliver me a bushel of dirt?" I reply variously. If on social terms, I say: "My good lady, we don't keep it. I am very strict about dirt." If a poor woman, we say: "Yes, certainly," knowing that her knowledge knows no better, but when they are above our reach the reply is: "I beg pardon; dirt, you mean potting soil. Oh, yes; certainly, madam; we deliver a barrel for a dollar." If soil of any texture is handled in the spring in a wet or plastic state it will remain caked and baked till the following winter. There is only one agency that can restore it to its pliable natural state and that is frost, so don't be in a hurry but when the frost is clean out and the ground is dry there is no time to be lost.

Transplanting Herbaceous Plants.

The earliest operation is the transplanting of herbaceous plants, and herbaceous plants need transplanting; although perennials, they are entirely different from the tree that supports its spreading branches for centuries. Some of the low growing spreading shrubs are intermediate between the herbaceous plant and the forest tree. To get the best results all or nearly all of our best known herbaceous plants need transplanting every few years. They get worn out, tired of their environment, weak and flowerless in the center of the clump, so if long planted lift them, divide and plant again, not forgetting that the deepest and richest soil is what all hardy perennials should have. What you want to grow for your cut flower trade and what your customer wants for his garden is entirely different. You can supply anything because there are several good firms in the country who can supply you. I have been rather disappointed with the profit or rather the meager results that have been realized by a considerable investment in hardy herbaceous plants.

Paeonies are good, particularly the early flowering section that is in flower by Decoration Day. The many beautiful western helianthus are fine and as they flower almost continuously from June on they are very useful. The magnificent delphiniums of the most exquisite tints should be in ev-

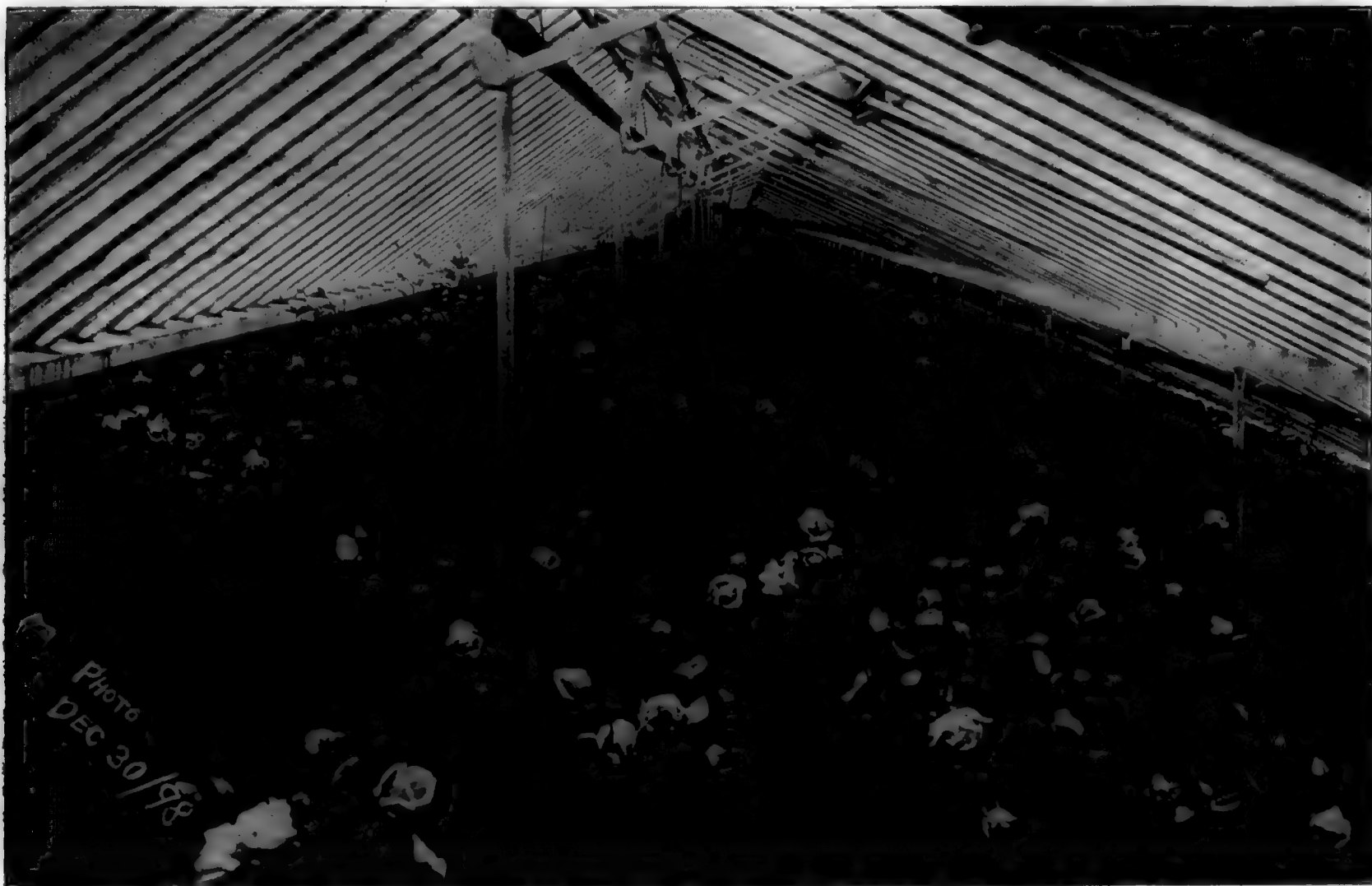
ery florist's garden. The pyrethrums are beautiful and find a ready sale; our customers like them, a little change from the everlasting carnation you know. Achillea is a most useful little flower and has often helped us out. We are much pleased with the doronicum. Its showy yellow blossoms would not be appreciated if it had to compete with some of the single sunflowers or coreopsis, but the beauty of the doronicum is that a month before any of the above have shaken off their hibernating slumber doronicum has spread its golden petals to the early May morn. While I have found all of the above most useful there are many herbaceous plants beautiful for the amateur but not profitable to the florist and chief among these is the handsome herbaceous phlox; none excel it as a border plant, but a carload is not worth 5 cents to the florist.

Trees and Shrubs.

If you are asked to plant any shrubs do it as quickly as you can after the ground is dry. There is seldom much loss in planting shrubs. They are the reverse of a tree, their roots being in most genera in much greater proportion to their top than the trees. Another reason is that nurserymen have the shrub but a short time in the nursery; three years at most is the age of the shrubs that you will buy, and there has not been time for the roots to have spread into a neighboring county, as does an elm tree. When planting be sure and prune back within reason, the more severe you cut back the better results. I am aware that many of your customers will object to this and beg you to leave on all the top you can for they want "immediate effect." Don't listen to them, tell them you will take the shrubs, yourself and your men home if they do not allow you to exercise your knowledge. They will succumb and you will have a blessing in store.

Remember that in planting a shrub or tree that the great essential is width of hole. Few trees that have been once transplanted have any tendency to send their roots down deep, and even the Child of Nature, the giant of the forest, in whose declining years the Western gale has leveled to the ground, shows you plainly that the roots have spread but very near the surface. Go out in width as far as you can afford, the farther the better, but in depth it is only necessary to go deep enough to have room for the roots, and try always to plant a tree just as deep and no more than when it was grown in the nursery. Too deep planting has killed many a nice tree.

All shrubs and trees that shed their leaves in the winter (known as deciduous) should be moved as early as possible after you can get on the ground. They are leafless, their roots are inac-



House of new rose Lady Dorothea, at John H. Dunlop's, Toronto, Ont. Photographed Dec. 30, 1898.

tive, they are really hibernating and survive the change of location and ruthless treatment of transplanting with little harm if properly done, but when the April showers and sun arrive the sap ascends, the buds swell, the tips of the roots, called fibers, are searching for food, then you cannot transplant without giving the tree a shock. You have destroyed the finest roots, the roots that nourished the tree and as you expect the tree to make another lot of active roots you must give them less work to do, that is why pruning is so essential. Contrary to the rule that all shrubs and trees that are deciduous should be moved before active growth begins, evergreens, so called, should not be transplanted till they are in active growth. In Europe what are known as evergreens are the common laurel, *Laurus nobilis* (Sweet Bay), arbutus, holly, aucuba, rhododendrons and many more broad-leaved true evergreens; and the pines, spruces and all cone-bearing trees are known as conifers. Here in this broad northern land we have few hardy representatives of the broad-leaved evergreens, so we call the conifers evergreens. *Kalmia latifolia*, our native mountain shrub, and *Mahonia aquifolia* are types of the broad-leaf evergreen, neither of much use here. The mahonia gets fearfully burnt with

the zero nights and bright suns of March, and the *kalmia* seldom thrives when removed from its native rocky home. The best time to transplant all the conifers, we will take the Norway spruce as a familiar type, is just when they are beginning to make their young growth. It has sent a cold chill down my back many times to see a lot of evergreens handled in April. In our latitude the time of planting evergreens is usually from the middle to end of May.

While animal manure may be injurious to the young feeding roots of a conifer when first transplanted, don't think for a moment that they don't like it when well established. I have forked in stable manure around an Austrian pine and Norway spruce and in two years with the intention of doing the same found the ground just a mass of roots close to the surface. And another fallacy is that our conifers don't like pruning. While not in sympathy with the monstrosities of clipped hedges and worse forms it is highly beneficial to shorten back all the leading shoots of any conifer, especially when transplanting, and, finally, don't forget that the way to plant any tree or shrub is to get a portion of good soil round the roots, enough to hold the tree in position, then soak it thoroughly, wetting every

fiber and when the water has subsided fill up to surface with dry earth, and to still make a better job spread two inches of stable litter on the surface for a few feet round the tree or shrub. It will help most wonderfully to prevent evaporation and if any future watering is necessary the mulching will make the surface watering of a lasting benefit, which without it would be little better than water on a duck's back. WILLIAM SCOTT.

AMONG PHILADELPHIA GROWERS.

W. K. Harris.

Here is the home of the winter flowering plant and an immense number is in preparation for the annual Easter sales. Azaleas are to be seen here by the houseful in various stages of progress, there being always some in bloom to meet current demand. Rhododendrons are being more largely grown to give a slight change from the azalea and several now in bloom are remarkably handsome, particularly John Walker carmine, and *Fastuosum flore plena*, lavender.

There are some Crimson Rambler roses coming on for Easter that Mr. Mark Mills, the able foreman, is especially proud of, and well he may be. They are in 12-inch pots, the plants 6 feet tall, the four or five leading

canes being arched in so as to form a plant from 2½ to 3 feet through at the top and dressed with foliage to the pot. Buds are already showing all over the plants and they will each carry from 150 to 200 trusses of bloom. The plants are but two years old and were lifted from the field last October, being then placed in the pots they now occupy. A pair of these plants was recently sold to a florist for \$50. There are many other Ramblers in smaller pots.

Lilacs are considerably grown and always meet with good demand. Genistas are seen in large quantities, a lot of canariensis being now in good bloom, the sort being an earlier bloomer than racemosus which forms the bulk of the stock. The genista fell off somewhat in demand for some years but the call is now increasing again. The plants are not sheared back so closely as formerly and they present a more graceful appearance, the pretty wands of yellow flowers showing to better advantage. The 6-inch pot size is most largely sold, though there are many larger specimens that are demanded by special customers.

A large house filled entirely with Otaheite oranges was an interesting sight. They aim to have the plants bloom just before Easter to set fruit for the following season.

Pandanus Veltchii is much in evidence in all sizes, from freshly potted cuttings up to large specimens in 8-inch pots. They are also working up a stock of the variegated pineapple, illustrated in The Review a few months ago, and it will evidently be as popular as the pandanus and as generally useful. They are also growing a number of specimens of the common pineapple with the view of their use in decorations when in fruit. Most of the larger plants of pandanus and pineapples are on pedestals and these economizers of room are seen all over the place. In fact, the iron pedestal now so common originated with Mr. Harris.

They have a lot of two-year-old plants of Bougainvillea Sanderiana that will make fine Easter plants.

A large stock of Dracaena Sanderiana was noted and they think there is a splendid future for it. To secure quick effect they place 5 plants in a 6-inch pot. A combination that they have found to be an excellent seller is a plant of Dracaena Sanderiana in the center of a 10-inch pot with five plants of Dracaena terminalis around it. Dracaena fragrans goes very well in plants of some little size.

Of hydrangeas about as many are grown as formerly but the blooming is spread over a considerable period and not so many are brought in for Easter.

A house of longiflorum lilies was a beautiful sight. They were largely in 10-inch pots, seven bulbs in each, and there were many 8-inch pots with four bulbs each. They will certainly be

grand when in bloom and will be just about right for Easter.

Pandanus utilis seems as popular as ever and an immense stock was noted in all sizes.

Rubbers are still in it, though Mr. Harris aims to sell only well developed plants rather than small stock, and his well known branched specimens are seen in perfection.

Daffodils are increasing in demand, especially the single Golden Spur, but tulips are going less freely. All the daffodils are grown five and six bulbs in a 6-inch pot as they can be handled to better advantage in this way than in flats.

There was a whole houseful of Deutzia gracilis in 8 and 10-inch pots. These are two and three year old plants that were lifted from the field last August and after being potted were left outside with a little manure between the pots and covered with salt hay. They were brought inside about the middle of January and kept in a temperature of about 50 degrees. They will be in splendid bloom by Easter and as the best plants wholesale at \$2.50 each it is a very profitable crop.

There is house after house of palms and among them many combination plants, such as an areca and two Pandanus utilis in the same pot, a large Kentia and several small latanias, etc. Mr. Mills finds that Latania rotundifolia moves well in 4-inch pots, but sells slowly when larger.

Cycas siamensis is a beautiful thing and it is believed may have a future commercially. There is a grand specimen of Pandanus Kerchoveana, one of only three in the country.

An excellent feature of this establishment is a wide shed that runs through the entire range of houses. Into this their largest covered wagons can be driven and turned around, and plants safely loaded in the severest weather.

The entire place is heated by a battery of three 60-horse power boilers. They have been using coke for fuel, but will change to coal next season.

HOW TO ORDER FLOWERS.

By special request I take up the subject of how to order flowers. While again emphasizing all that has been so frequently said and written as to the necessity of writing orders plainly and separate from the body of a letter, I wish to add, by all means do not use the word "duplicate." It is this word "duplicate" that calls me to write this letter.

Admitting that all orders are carefully filed, remember that yours is not the only one and that there may have been others from you the same day. For instance, we get a letter in the morning's mail ordering 50 Maids, 50 Brides and 100 white carnations. A few hours later we receive another letter from the same party saying:

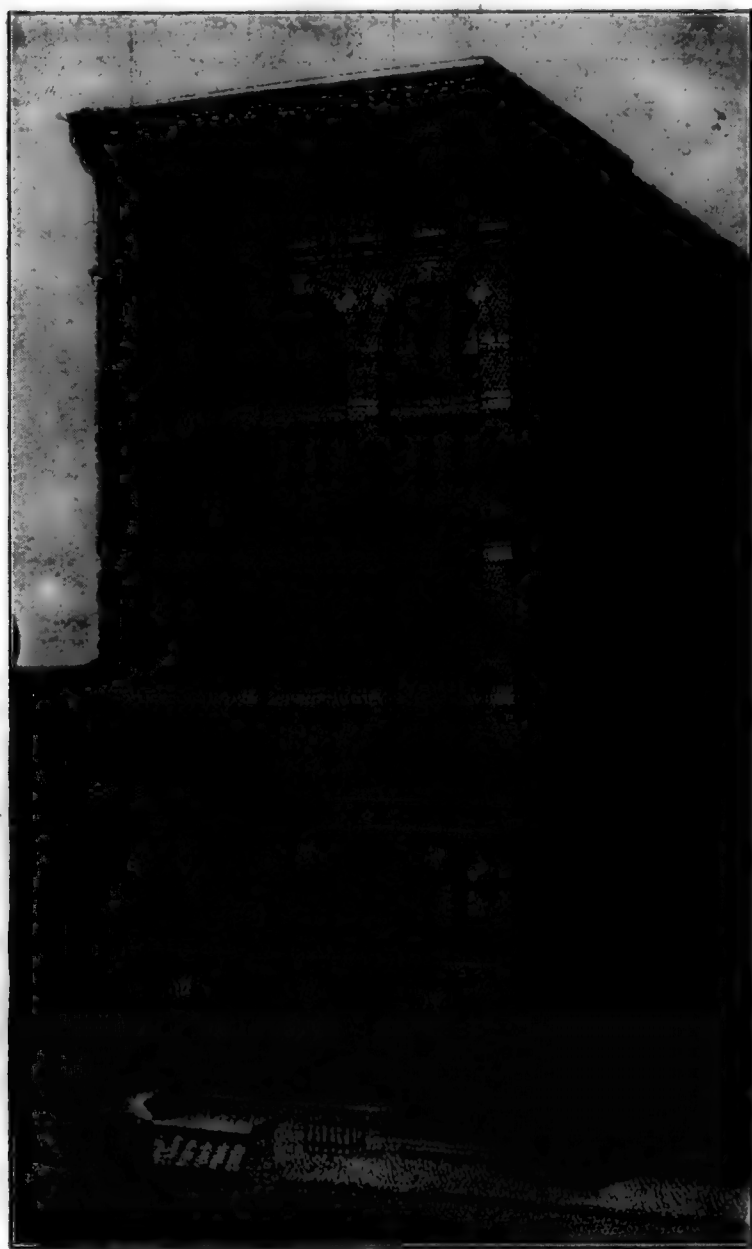
"Add 200 mixed carnations, 50 Romans and 300 violets." Then comes a telegram saying: "Cancel mail order, duplicate last order and add 300 mixed carnations, 200 violets, some white." The above would be all right were it not that we shipped this party on two trains the day before. He says duplicate last order. Now, the order sent out on the early train the day before was a fair sized order, something like that covered by the two letters, but the last order received was for "300 mixed carnations, 200 violets, some white." We don't claim (nor do other commission men) to be mind readers. In the above case we sent out the large order and hit it right, but in doing so we did not follow instructions, which said plainly "duplicate last order." In a word we did what the party wanted us to do but not what he told us to do. But it is a bad chance to take. The instructions should be so clear that there need be no guessing.

When you mail an order write it on a sheet of paper separate from your letter. If necessary to use the wire don't hazard clearness for the sake of a few pennies. Use the code which you will find in the Review. Always spell out the names of the flowers. There is no saving in abbreviations for the Telegraph Co. charges by the word and an abbreviation costs as much as the full word. There is much less chance of error in transmission when the names are spelled out. I will try to show you how easily a commission man can get your order wrong without any fault on his part. Here is a sample order as received: "Send to-day fifty Brides Maids Perles one white carnation." Note that there is no punctuation in the telegram. We sent a hundred roses and the hundred carnations, but it appears the man wanted 150 roses. Had he written his order: "First train fifty each Brides-maids, Brides, Perles, one white carnation," there could have been no possibility of a misunderstanding. It is fair to suppose that the commission man is not always right, but the least you can say in the above case is that he lost the sale of 50 roses (\$3.50), was blamed for the mistake, and it will take a long time to convince the sender of the order that he was wholly at fault.

Use the telegraph code freely so as to let the commission man know when you can use a specially fine grade of stock even if it costs a little more, or when something short stemmed at a cheaper price will answer your purpose. All commission men can in most cases buy when they happen to be out of the class of stock wanted, and would then know just what to do and do it right.

Try to follow the above and you will get your orders filled more to your satisfaction. And by all means do not use the word "duplicate."

CHARLEY'S AUNT.



W. Atlee Burpee & Co.'s new building, Philadelphia.

A MODEL SEED HOUSE.

We present herewith a view of the new warehouse of Messrs. W. Atlee Burpee & Co., the well known seedsmen of Philadelphia. The picture shows the North Fifth street front, but the building extends through to York avenue. The warehouse was built especially for the carrying on of the firm's immense seed business and a record was made in its construction, the old building that formerly occupied the site being vacated on May 1 last and the new building being ready for occupancy the first week in October following.

Every inch of space on the seven floors is utilized to the fullest extent and the system of arranging alphabetically the cases containing packet seeds insures the greatest possible speed and accuracy in filling orders, the seeds in packets being on one side of an aisle and those in ounce packages on the other. Each of these pigeon hole cases is numbered so that if for any reason it is taken away it can be readily returned to its proper place. The ounce packages are all dated with the year, and we believe this is the only

firm who does this. The items in an order are gathered together in a basket (if all small), being arranged in the basket in the same rotation that they appear in the order to facilitate checking, which is done by employees especially trained for this work.

The handling of the mail is reduced to a science. It is opened on a long table at which are places for the one in charge of the work and several assistants. At the side of each one there are several slots in the top of the table, one for money orders, one for cash and checks and the other for stamps. After the remittances are entered on the orders they are dropped through their proper slots and fall into tall tin cases that are placed to receive them. These are afterward emptied upon an adjoining table and the contents arranged in proper order for banking or redeeming at the postoffice when checks and money orders.

A record is made of each order and the name of a new customer is at once entered in its proper place, each state having a separate book. In sending out the annual catalog an order sheet of a different color is used where the name does not already appear on the

customers' list and the appearance of an order upon a sheet of that color indicates a new customer.

Each of the various departments is connected with the others by telephone and there are sixteen telephones in the building. The boiler that supplies the heat is placed out under the pavement at the rear so that the main cellar is kept cool for the storage of seed potatoes, bulbs, etc.

The whole establishment is an exemplification of the good results to be obtained by thorough system and good management when backed by ample capital. Everything moves with the precision of clockwork and the large force of employees is like a thoroughly drilled company of veteran soldiers.

Mr. Burpee is evidently a good organizer as well as a good seedsman, and both are essential to the successful conduct of a business of such large proportions. We wish him a long and successful occupancy of his handsome and well appointed new building.

THE TRULY WONDERFUL LAWSON CARNATION.

We had an idea that a look at a dozen or two of this remarkable flower in more ways than one would please our customers and other people's customers. We knew all about its appearance, for we were not like many who forgot seeing it at Chicago in February, 1898. We could walk blind-fold to the spot where it rested in the Auditorium banquet hall, and fully realized its great beauty, for I remarked at lunch one day to Mr. Nicholson: "Why don't you buy Mrs. Lawson?" "It's not for sale," said he; "Too bad," said I. Then again we saw it in Philadelphia with still better stems, two feet at least. So we sent a five dollar bill the other day to the gentleman who sells it in Boston. We got a bill receipted in full in return, which read: "Mr. W. S., bought of Mr. Make All You Can: 1 dozen Lawson carnations, \$5.00. Paid, March 13, 1899." I almost forgot to say, incidentally, that with the receipted bill came a dozen carnations. Now I really did expect 18 flowers, but if the sample sent had been such flowers as those exhibited at Philadelphia, there would have been "no kick coming," even at the exorbitant and absurd price of 42 cents each.

The stems ranged from 13 to 17 inches. We had to show them in our window as they were advertised, but we were ashamed to do it. We also plastered the receipted bill on the store window to convince people that we were not palming off a Tidal Wave sport on them. One customer put his head in at the door and let drive the Homeric proverb: "A fool and his money are soon parted." However, we showed a vase of our own selected Bradts next day and the people had something to look at. The annoying part of this business is: does this man

think we are greenhorns and fools in Buffalo! We are certainly not swindlers for we paid before delivery. Does this man of Boston imagine that we think he retails such flowers as he sent us for \$5.00 per dozen! If he does he is in a dream. With due respect for the patrons of a high class Boston store, we don't believe they are fools enough to pay the half of five dollars for any such flowers as we received.

We have the pleasure of knowing a great many Boston florists and have great regard for their hospitality, warm-heartedness and good will to all the trade, to strangers within their gates as well as their daily associates. But with gratitude to them all this piece of hoggish effrontery and gall should be exposed, and I trust, Mr. Editor, you will send this to type just as I have penned it, as you kindly do most of my remarks.

P. S. I have presented the receipted bill to the Buffalo Historical Society. The remains of the flowers have been sent to the Zoological Society to decorate the wolf's cage.

WILLIAM SCOTT.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

520-535 Caxton Building, Chicago.

334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/4 page, \$13.50; full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.

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THAT DIVIDEND.

"The Review is value enough without any dividend," and "The Review is the best dividend you can give us," are some of the kindly sentiments expressed by subscribers when remitting for another year. The commendation conveyed by these expressions is very much appreciated, but we trust none will lose sight of the fact that dividends are always acceptable to every one, and that subscribers can without cost to themselves contribute materially to the prosperity of the paper by confining their purchases of trade supplies as largely as possible to the advertisers in The Review, always being careful to mention the name of the paper when sending either an inquiry or order.

If all our friends would make it a point to remember this when needing trade supplies the revenues of The Review would be materially increased and we would not only be enabled to declare a satisfactory dividend but

could give our readers an even better paper than at present. We have the facilities to give our readers a larger paper, and more freely illustrated, and shall do this just as soon as increased revenues will permit. It costs money to secure really valuable and practical matter as well as to print and illustrate it. The Review must have the best and it will not add size until the added matter can be of the same high quality.

If all in the trade would make it a point to contribute toward the prosperity of The Review as indicated above (without any cost whatever to themselves) we could issue a paper that would stand head and shoulders above anything yet done in this field and still be able to declare a satisfactory dividend at the end of the year.

We realize the fact that many of our readers are already giving us the full measure of their support and to them we tender our hearty thanks. It is to those who have so far failed to do so, probably largely due to a lack of appreciation of the importance of the matter, that these words are addressed.

Roughly speaking the publisher of a trade paper gets not to exceed one-fourth of his income from subscriptions. The other three-fourths must come from advertisements. Therefore when you pay a dollar subscription you have paid little if any more than a quarter of the actual expense of issuing one copy for a year. The rest you pay indirectly when you order goods. With this in mind you will see how important it is to have the paper you are interested in get the benefit of an order when you do place one. Advertisers very naturally use the most space in, and pay the best rates to, the publication from which they receive the most returns. Therefore to give your favorite trade paper the full measure of your support you should confine your orders as largely as possible to the advertisers in its columns and make sure that the paper gets full credit for its influence in the matter. Of course we don't mean that you should pay a higher rate to an advertiser in the Review in order to accommodate us, but when things are equal as regards price and quality then give The Review advertiser preference. And in many cases the same adv. will be found in all the trade papers when it is simply a question of which paper brings the most replies.

Let us again emphasize one point: Give your favorite trade paper (whichever it may be) the full measure of your support by ordering from its advertisers whenever you can do so without unfavorably affecting your own interests. If you read one paper for the valuable articles it contains and then order from the advs. in another one you are giving only one-fourth of your support to the paper you read and three-fourths to the other one.

We make this plain statement believing that it should be made in justice to both publisher and reader.

To those who are not yet subscribers we would say that aside from the high standard of The Review we feel it is entitled to the support of everyone in the trade, because it is entirely disassociated from any other business and is absolutely free from dictation by any one. It has no interests to serve other than those of its readers, and every one can secure a hearing in its columns.

PHOENIX PUMILA.

The Date palms include several very handsome species, there being probably about a dozen true species and in addition to these a number of varietal forms.

The size of the different species also varies greatly, the largest of all being probably the common date *P. dactylifera*, which sometimes reaches a height of 120 feet, while the subject of our note, *P. pumila*, belongs to the other extreme, and is said not to exceed three or four feet in height when fully developed.

This is by no means a common palm as yet, and may be described in a general way as a dwarf and slender *P. rupicola*, the stems being quite thin and the leaves having some resemblance to those of *Cocos Weddelliana*.

In common with several other members of this genus, *P. pumila* is inclined to throw out additional shoots from the base of the plant and it is quite possible that this characteristic could be utilized to advantage in made-up plants for decorative use, just as we often see *Cocos Weddelliana* treated now, were it not for the scarcity of this phoenix up to the present time.

P. pumila is a warm house plant and cannot be considered as a rapid grower, in fact their comparatively slow growth is an objection to many of the phoenix form from a commercial point of view, the transition period from the simple undivided leaves of the seedling to the graceful pinnate foliage of the characterized plant occupying so much time that it becomes a period of impatience in the mind of most trade growers.

Of course it is pleasant and educational to watch plants grow, yet most of us desire to see them cover the successive laps of progress with much greater despatch than is shown by the phoenix in general.

W. H. TAPLIN.

ADMIRAL DEWEY ROSE.

This new rose is a sport from *Mme. Testout* and is apparently identical with that variety except as to color, which is a very light pink. Flowers seen in a New York store were certainly very attractive and drew the at-



Phoenix Pumila.

tention of a certain class of flower buyers who are always on the outlook for something new. We fear, however, that the color is not deep enough to make the rose a general favorite, though the name may give it a brief season of popularity. We fear also that a sport from Testout will not appeal very strongly to the average grower, who will have unpleasant recollections of the general unprofitableness of that variety. It is to be hoped that Dewey has not inherited this undesirable characteristic of Testout.

CHICAGO.

The Market.

There was a noticeable shortening of supply the past week and prices have stiffened materially. Many growers seem to be off crop and this has been supplemented by a stretch of dark weather, broken by only two bright days during the past week. If

we could have bright weather from now till Easter it would be a great help, but probably not enough to insure a satisfactory supply of roses for Easter. The lily situation is very puzzling and the outlook seems rather less favorable than last week. Carnations have been quite scarce lately and this has caused some little surprise. It is probable that quite a number are being held on the plants, though this would not seem to wholly account for the present marked scarcity. Bulb stuff is moving rather more freely on account of the scarcity of other flowers. The stretch of wet weather had a dampening effect on violets.

Club Entertainment.

The second annual entertainment of the Florists' Club, given in Handel Hall last Friday evening brought out a large attendance in spite of the very unfavorable weather, and all who came enjoyed themselves thoroughly.

It was a decidedly floral affair, everyone taking part having huge bouquets passed up to them on concluding their part of the program. The following letter, read by Mr. A. C. Kohlbrand, was greeted with much laughter and applause.

Shaumburg, Marz 16, 1899.

Teer Sur:—It gifs me much bleasur to wrote you again yet as I haf not wroten mit you since de lats flower shows. But it seems to me dat my lats ledder was not receifed in de same spirit in wich it was gifen. It was not indented to pe funny, und it griefts me such a much to hear dat it caused such much laughingness. De Idees wat I haf in regardment to flower shows was not indented as a choke und I tink it shows wery bat form und very little edimentication for beople to laff at idees too far advanced for deir diminutif gomprension.

Since de lats time wot I wroten mit you I haf been drying some exberimentations on my blace to broduce some nowelties for de next flower shows, but the nowelties was not up to my exbectations.

De first ding wot I dried was some craffding. I crafed some pickle-vines on my wioletz blands und it hat a wery beculiar effect. I got a goot grop off cucumbers wot schmelled like wioletz und a poor crop of wioletz wat schmelled like cucumbers. But as dere are enough wioletz sold in Chicago wot schmeil like cucumbers I didn't dink it worth while to ccntinue exberimentations in dot line.

De next ding wot I dried was someting wich has been bottering me for a long time. I dried to crow some gold dollars on goldenrot blands. Dis mite haf brooved successful hat not de wetter inderfeared. I hat one bland wich was almost showing ploom, in fact I could count as much as dirty cents in change on de one bland, when one night de wint blowed de glass from de house off und all my money froze up. I haf often heard of beople who hat money to burn, but when it freezes on de blants it was dime to stop exberimentations in drying to crow money in a greenhouse.

De loss of all de goldenrot blants made me so mat dat I nailed de greenhouses up mit poarts ofer de top und dough I would raise mushrooms, but de woot bucks got in und raised de difel mit de mushrooms. So I dough dot if dey liked mushrooms dey woult not opject to a nice beece of porter-house steak to eat mit de mushrooms, so I went offer to Krause, de putcher, und bought me for 15 cents a steak wich I blaced in de mushroom ped after fixing it up according to my idees. De next morning de mushroom ped was gofered mit de det podies off millions of woot bucks. De following week I reet in de bapers dot seferal off my gustomers hat been boisened from eating toad-stools. Dat made me mat. I don't raise toad-stools. But maybe my gustomers got some of de baris green wot I hat sprinkled on de steak for de woot bucks.

Dot settled the mushroom exberimentations. I fixed up de greenhouses again und raised some seedling garnations, und among de new warieties I haf got one wat peeds de dirty thousand dollar Lawton all to beeces. It is 6 inches across, weighs a pound und ½, and you can't break de calix mit an axe. De golor is not mooch, a sort of a brindle blue. It has not been gifen a name yet, but my wife wants me to name it after her. Such foolishment! How woult it sound for a lady to go in a flower store und ask de florists, "Haff you got any nice Mrs. Fritz Blumenschneider garnations?" Ha! It makes me laff to dink of it. If it was cabbitch de name woult be more abbroppiate. No, I will wait til some man mit more money dan prains comes along who woult giff me about dirty tousand dollars for de briflitch off naming it after his wife—or somebody else's wife. Den can de greenhouses go zu de difel. Den I can start me a nice saloon und get up a bad rebutation, get elected alderman of de wart, und haf a goot time in cheneral.

Talking about time dis flower pisiness is noting but a matter off time.

Time to blant de flowers.

Time to raise de flowers.

Time to cut de flowers.

Time to take de flowers to de city.

Time to trow de flowers out.

Wishing you a green St. Patrick's day and a busy Easter, I remain yours.

FRITZ BLUMENSCHNEIDER.

Another very amusing number was the recitation by Mr. C. Balluff, tell-

ing the story of George Washington, the hatchet and the cherry tree in Italian misfit English.

But the musical numbers should not be overlooked. Some of the piano selections were rendered with professional skill and the club quartette did its part nobly.

The farce with which the program concluded was supposed to represent some lively scenes in a wholesale house. They proved rather livelier than was anticipated. Strong features were Ed. Winterson's sweater, Charley McKellar's straw hat and Walter Kreitling's gentle demand for some red violets. The flowers disappeared from the counter with marvelous rapidity and business was concluded in short order.

Chairman Winterson, of the entertainment committee is certainly entitled to much credit for his successful efforts.

Flowers for the bouquets were contributed by various growers and dealers, Bassett & Washburn giving 15 of their best Beauties.

Various Items.

White Daybreak carnations seen at Kennicott Bros. Co. are as fine as one could wish. It certainly is a splendid thing as grown by Mr. Broadbeck.

A. L. Vaughan has taken an office with W. E. Lynch at 19-21 Randolph St.

The Executive Committee of the Horticultural Society met again last Monday and took action which will undoubtedly result in securing the Auditorium for the next Chrysanthemum show.

McKellar & Winterson are showing the "Winner" flower pot stand and jardiniere holder. It is very graceful in design and can be readily adjusted to hold any sized plant in any position. It will surely prove very useful. Fire, that started from crossed electric wires, did some damage in the room adjoining this firm's place of business last Tuesday, but no damage was done them except the temporary loss of their electric light.

Recent Visitors: C. C. Pollworth, Milwaukee; C. W. Ward, Queens, N. Y.; F. Dorner, Jr., Lafayette, Ind.; Geo. F. Crabb, Grand Rapids, Mich.; Walter Mott, representing H. A. Dreer; Geo. M. Kellogg, Pleasant Hill, Mo.; W. W. Coles, Kokomo, Ind.; John Bertermann, Indianapolis; H. J. Goemans, representing K. J. Kuyk, Belgium; J. M. Gasser, Cleveland, O.

There has been a remarkably steady demand for Harrisii ever since Christmas, probably due to the large amount of funeral work that has been called for, and this has kept the crop marketed right up to date.

A seedling carnation sent to Bassett & Washburn by the Bertermann Floral Co., of Indianapolis, so closely resembled the Lawson that it could easily pass for it. The flower was fully as

good in every way—in color, size, stem and calyx.

Aug. Lange has returned from Omaha with his bride.

BOSTON.

The Market.

The week just past has on the whole been a fairly good one, the volume of business keeping up to the normal, with most all varieties of stock in ample supply and fairly well cleaned up at asking prices. Roses have perhaps been somewhat slower than other staples, but good stock sells well, with the cheaper grades going slow. Brides and Maids range all the way from \$4 to \$16 per 100, only a few bringing the higher price. Meteors, 75 cents and \$1 per doz.; Jacks and Brunners, from \$1 to \$2 per dozen; Beauties moving rather slow at last week's quotations. Carnations are rather short, the crops being light all round, so that most everything is taken at asking prices. Whites, Scotts and the more common varieties will easily bring \$2, while strictly choice Flora Hills, Daybreaks, Bon Tons, etc., bring \$3 and \$4, with Bradts still holding at \$6 per 100. Violets are fast deteriorating in value and quality, 35 cents being about the average for general stock. Lilies are not very plenty and of poor quality, \$1 to \$1.50 is the price; callas very plenty, \$1 per dozen, average price; bulb goods of all kinds plenty; \$2 to \$3 is the range.

The Easter Outlook.

So far as volume of business goes the outlook for Easter is very flattering, but there is a possibility of some stock being rather short, especially well grown longiflorums, even at this early date everything in sight being taken up and the chances are that enough pot lilies cannot be secured to supply demand, while quality of cut blooms will not be first class. Of our large growers E. Pierce & Sons, and Wm. Edgar are right in it, showing some excellently grown Japan stock, while the Bermuda stock has proved a failure. There will, however, be plenty of azaleas, genistas and other flowering plants to fill up the gap, with some very fine specimens of Crimson Rambler rose.

In cut flowers the call will probably be for lilies, of which the supply will be limited. Roses will be in ample supply, probably bringing the average Easter price. Carnations are off-crop and will probably be a little short, especially of a strictly high grade quality. Violets will be plenty, but are not a popular Easter flower. Hyacinths, tulips, Von Sions, trumpets, spiraeas, etc., will be plenty and will fill the gap caused by scarcity of staples.

The News.

The spring exhibition of the Mass. Horticultural Society will be held this

week and bids fair to eclipse all former spring shows, several private gardeners having made a special effort to have their exhibits first class.

Visitors this week are: E. J. Harmon of Portland, Me., and Paul Berkowitz of Philadelphia. P.

ST. LOUIS.

The Market.

Trade has been very quiet the past week, nothing of special importance going on. At the wholesale establishments stock accumulated fast and at one time there threatened to be a glut in almost every variety, but a few spring openings came along and stock was sold out at a very low price. The last week of the French opera season at Music Hall no doubt helped the trade somewhat as a great many flowers were seen each night. The market has never been better supplied here as to quality, quantity and variety. Prices have been a little low but about up to the mark of previous seasons.

Roses in all popular sorts bring from \$3 to \$8; the latter figure is only for prime stock, such as Brides, Meteors, Maids and Carnots. Perles and Wootons bring \$3 and \$4 for the best. Good Beauties sell at \$3 per dozen; short stock from \$5 to \$10 per 100. Carnations are down a little and good common stock brings \$1 and \$1.50; better stock, \$2 and \$2.50; white especially in good demand. Violets, small single, sell at 75 cents per 1,000; California, 30 cents per 100, \$2.50 in 1,000 lots; very light sales for Southern stock.

Harrisii are in good demand and not overplentiful and from present indications will be scarce for Easter, both plants and cut blooms. Price the past week was \$12.50. Callas are plentiful and sell at from \$5 to \$8; valley, \$3; Romans, \$2; Dutch hyacinths, \$3; daffs plentiful last week, but a little scarce now, with not much call. They bring \$3; single, 50 cents and \$1. Smilax is selling well at \$12.50.

Spring plant trade has opened and the growers have taken possession of their usual stalls in Union market exhibiting the general run of blooming plants.

Easter stock is reported by our local growers as being in good shape with no scarcity except Harrisii lilies. The prospects are that demand will be fully up to expectations.

Notes.

George M. Kellogg, of Pleasant Hill, Mo., spent Thursday with us on his way home from the executive committee meeting of the S. A. F. at Detroit. Mr. Kellogg reports a pleasant time.

The Engelman Botanical Club held a meeting Thursday evening at the rooms of the Missouri Historical Society. Messrs Duessner, Retzer, Win-

ther, Nehring and Hicks talked on Plant Respiration, illustrated by numerous actual experiments.

Max Herzog, of Gratiot station, will build a new house in June, 20x100, for American Beauties.

Beyer Bros. will rebuild three of their old houses this summer. Other improvements are also contemplated.

J. M. Jordan and Julius Koenig, Sr., two of our oldest florists, are still sick. Mr. Koenig is reported a little better, but still very ill.

Show Matters.

The chairman of the executive committee for this year's show has appointed the following chairmen of committees: Fred C. Weber, special prizes; C. C. Sanders, finance; Emil Schray, premiums; John W. Kunz, hall and printing; F. J. Fillmore, decoration and delivery; Carl Beyer, advertising.

All arrangements have been made for holding the show at the Coliseum; date, week of November 12. The committee will hold a meeting some time during the week, in order to have the preliminary list out among the growers by the first week in April.

Bowling.

The Bowling Club had a very small attendance Monday night and rolled five games. Most of the members reported sick. Scores were as follows:

	1	2	3	4	5	Tot.	Av.
C. A. Kuehn	164	148	143	134	211	800	160
J. J. Beneke	145	133	135	154	136	703	140
J. W. Kunz	104	148	148	157	133	690	138
John Young	98	135	127	153	513	128	
F. C. Weber	101	133	117	122	135	618	124
J. J. B.							

BUFFALO.

Easter Prospects.

I forget whether March came in like a lamb or a lion, but if anybody says it's lamb-like now they are a ly'n; it's horrid; it's all right for those that are too early but disastrous to those who have to force things. We heard yesterday a dicky bird singing in the back yard. It was, I think, a song sparrow. This morning he shook the snow from his wings and made an air line for Baltimore, Md.

Business has been rather slow of late, which we must expect at this particular time. There are quantities of violets coming in, many of them of inferior quality, but a large lot are sold at the very popular price of 25 cents per bunch, the bunch contains 25 flowers. Carnations of anything like decent quality are quickly sold, in fact they are really scarce. When we think of the quantity that came to town a few years ago at this time with present supply, it makes us ponder why it is so. Carnations will be a scarce Easter article in this part. There are plenty of roses of all qualities to suit the taste and purse. There

has been a great supply of tulips, daffies and Romans. They have all gone very slowly. The odorless tulip and daffodil have had their day to a great extent. For cheap flowers in April and May they will always be largely used, but in competition with the rose, carnation, violet, valley and mignonette they are snubbed as too plebeian. Customers are beginning to buy plants, order them for future dates, and many say: "Well, I shall want a plant or two for Easter," and they mean it sure and there is little doubt about the demand before us. It is bound to be great.

I paid a short visit to my neighbor, W. B. Milley, of Masten street, a few days ago and am glad to say he has the finest, healthiest lot of Harrisii lilies that I have seen in our neighborhood. W. B. seems to have found some dealer who imported only disease-free bulbs or else he was gifted with the faculty of that Philadelphian who once told us he sorted all his bulbs when they were delivered and destroyed all the diseased articles. "Oh, would some power the gift to give us" to do that.

Bowling.

There is a rare old gathering every Friday night to bowl. Would that such a number would turn out or rather turn in at our club meetings, to discuss some important and new (?) question, such as "How to kill rust on Carnations." The bowling club is very enjoyable, builds muscle in the effeminate youth and limbers up the aged. There is plenty of youth about the club (25 members) and enough silver hair to give dignity. Out of such a number surely six crackerjacks can be found for Detroit.

	1	2	3	4	Av.
W. B. Scott	137	147	160	142	147
C. Risch	170	139	169	117	144
Ed. Nolan	122	116	132	...	123
H. Buddenborg	77	87	90	...	85
G. Reichert	116	126	123	122	124
G. McClure	209	115	158	137	155
D. J. Scott	106	152	129	93	120
Wm. Scott	117	138	137	165	139
G. Schmidt	121	147	128	...	132
D. B. Long	116	108	90	128	113
W. Grever	115	116	125	161	129
G. Kumpf	120	145	150	109	131
W. F. Kasting	116	151	141	136	136

Notes.

We have had several nearby visitors of late, among them Mr Broadhead, who is building a large range of glass at Jamestown, N. Y.; Mr. Henry Wise of E. Aurora; Mr. Larder of Fredonia; J. Lansing Moore of Van Buren Point, N. Y.; Mr. Moore of Highlands on the Hudson. I did not ask Mr. Moore his nationality and it's none of my business, but I will wager a glass of lemon sour that he belongs to that thrifty, energetic race of which the dry goods king Stewart, of New York, was a type, the North of Ireland, and when Mr. Moore says: "I have orders for 125,000 violets for Easter, could pick more, but wouldn't have time," the listening victim gets

the odorous blues and wonders where he's at.

Our hotels have been somewhat congested this past week from the great influx of Holland gentlemen. There have been representatives of Messrs. Segers Bros., Speelman & Co., Mr. Van Zanten and many who represented themselves. The writer was in the rural districts and unfortunately missed the extreme felicity of an exchange of compliments. W. S.

BALTIMORE.

Gardeners' Club.

On Monday afternoon and evening the Gardeners' Club gave a free carnation show, which proved a very interesting occasion, and reflected great credit upon its promoters. The many visitors were agreeably surprised at the excellence of the exhibits which were never finer at the large shows, but the quantity also astonished them. The hall was handsomely decorated with palms and ferns, kindly contributed by Messrs. Feast & Sons, E. A. Seidewitz, and Fred Burger. A particularly fine specimen of Bostoniensis added much to the graceful appearance of the whole and formed a lovely background for the many beautiful roses, and carnations, which mingled their brilliant colors and fragrant odors with that of the modest violet.

Austin K. Upp contributed large bunches of this fragrant flower, and Lehr Bros. added much to the success of the show by their careful exhibit of 1 to 5-year-old plants in full bloom. A handsome bunch of Farquhar violets, grown and exhibited by Thos. Stephenson, received honorable mention for superior culture.

Carnations were shown that were a revelation as to wondrous size and delicate tints. The display not only afforded evidence of the marvelous advance of the carnation, but the long thrifty stems plainly told that the proper requirements for their perfect culture were thoroughly understood.

Messrs. Halliday Bros. offered a special prize of \$10 for best vase of 100 carnation blooms, assorted varieties, which was won by C. M. Wagner, gardener for the Misses Bell. Their own exhibit, was well worth a prize, had one been offered, for their vase of Flora Hill was in the estimation of many equal, if not superior in size and quality to the celebrated Boston beauty, Mrs. Lawson, which Wm. G. Halliday sent as his contribution to the show. Messrs. Halliday's new sport from Bradt, a large rich crimson, attracted much attention and a certificate of merit. Bradt too was much admired. Victor, Scott, and a new red, Mathew Richmond, gave evidence of such thorough culture that many remarked they should have had a prize.

Henry Eichholz of Waynesboro, Pa.,

had a handsome jar of Daybreak and received honorable mention for high culture. Jno. Cook staged handsome exhibit of his new rose—"Baltimore." It is a large showy flower of delicate creamy tint, with pale pink center, and a wonderfully vigorous grower; also an unnamed seedling, both of which deserve great credit. A well deserved honorable mention was given to R. H. Arning for a vase of fine Bride roses. His Perles and Maids were also good, and Scott and McGowan gave evidence of careful culture. Ardman Bros.' Maids merited the honorable mention received. Robt. Craig & Son of Philadelphia, sent a large vase of their new carnation, Melba, which won for them unlimited praise.

Much admiration as well as honorable mention was also given a large jar of rich crimson America by E. G. Hill & Co., Richmond, Ind., which was well deserved, as they were fine. Weber & Sons, Oakland, Md., were highly complimented upon their exhibit of White Cloud and Armazindy.

A particularly handsome and graceful basket of mignonette, antirrhinum, Primula Forbesi, and Asparagus Sprengeri, contributed by S. Feast & Sons attracted much attention for delicacy and graceful arrangement. Their vase of Maids was especially fine and won unstinted praise. Chas. Akehurst had a vase of 100 blooms of dark crimson carnation and Wm. B. Sands' Evelina, Bon Ton, Scott and Fire Fly carnation and Bridesmaids were equally admired.

Words fail to express the admiration for the vase of Golden Gate, a rose of delicate pink, the petals wonderfully large, and when in half bloom are in cup shape with fine bud formed centers; contributed by the American Rose Co. of Washington, D. C. It is a remarkably fine rose and worthy of all that can be said of it; also their handsome pink rose, Mme. Chatenay.

After the show, which closed at 9 p. m., the club held their annual election of officers. The following were elected: President, N. F. Flitton; vice president, C. M. Wagner; secretary J. J. Perry; financial secretary, Henry Ekas; treasurer, W. B. Sands; librarian, J. L. Wagner. A vote of thanks was extended to the non-members who sent contributions to the show.

After the meeting a most enjoyable smoker was held. The club feel much encouraged by the success of the exhibit, as to the prospects of the forthcoming fall show. A preliminary premium list was distributed among members.

Notes.

Trade has been fair for Lent is the general verdict, and flowers plentiful.

Benj. F. Durfee, Washington, D. C., and C. D. Ball, Holmsburg, Pa., were recent visitors. C. F. F.

INDIANAPOLIS.

Business Conditions.

Being the middle of Lent and having had another cold wave have combined in bringing the trade here very nearly to a standstill, with the exception of funeral work, which kept some of the trade busy. Everyone in and around Indianapolis is making preparations for Easter, and all seem to think there will be a great demand for Easter plants, of which there will be quite a supply with the exception of lilies. Although a great many Harrissii were bought here they all seemed diseased and had to be thrown out. A few that risked buying Longiflorums are right in it as they will get most of them in by Easter. Azaleas will also be scarce as a good many growers got them in too soon and now regret it. At present there is a large supply of carnations and violets, while roses of good quality are scarce.

Club Meeting.

Owing to the severe cold weather only a few of the old reliable brand attended the meeting. March 7; however, those that did had a very enjoyable time. This meeting was devoted to roses and violets, although the display was not a large one. Following awards were made: H. W. Rieman on Brides, Maids, Perle and Meteor; John Hartje on Farquhar and California violets; Mr. Rieman received a certificate on a white seedling carnation conceded by all to be the best carnation shown at any of our meetings since Mr. Hartje first showed his now famous Jubilee. After the meeting the exhibits were sold at auction and it was interesting to see some of the boys bid. Through their liberality the association realized quite a sum. Oscar Pflumm was elected a member of the association.

The annual appearance of the Holland bulb growers in Indianapolis has begun. There have been at least a dozen here in the last few weeks. One of them, Mr. B. D. Kapteyn, attended the club meeting and was called upon for a speech. He responded by telling how bulbs are propagated and grown in Holland, which proved very interesting. Mr. Kapteyn finds business very good, especially so in this city, but complains bitterly of the careless way bulbous shipments are handled in the custom house at New York.

It was not decided at the last meeting to what the next meeting will be devoted; very likely it will be Easter flowering plants.

Notes.

John Berterman has been on a trip to Chicago and states that Easter stock, especially lilies, will be scarce.

John Grande is having trouble with his hands. Sometime ago, while making a design, he ran a wire into his

thumb, resulting in blood poison, and troubling him ever since.

John Rathsam has been sick, but is now able to attend to business.

The marriage of Mr. Edw. Smith to Miss Jessie Tyer is announced.

Mr. Fred R. Hukriede was recently married to Miss Katie A. Rothert.

FRED.

WINDOW ATTRACTIONS.

More and more attention is being paid by the retailer to his window displays, all realizing the value in an advertising way of features that attract and hold the eye of the passer-by.

The engraving on our front page is from a photograph of a window display by W. J. Palmer & Son, Buffalo, N. Y., that served its purpose by attracting a great deal of attention. Buffalo is to have a "Pan-American Exposition" in 1901. The matter is now very much in the minds of the citizens, and every passer at once appreciated the significance of the design seen in the center of the window.

The globe was five feet in diameter and was of brown galax leaves, the American continents being worked out in daffodils, and the pan at the left in violets. Buffalo stands at the top to welcome the people of the western hemisphere to its coming exposition.

WM. SCOTT'S Miscellaneous Seasonable Hints are universally acknowledged to be decidedly the most valuable contributions to the current literature of the profession. Why? Because they tell the florist doing a general business the little things that he wants to know and in the way he wants to be told. They are of direct money value to every one in the business. Mr. Scott writes exclusively for The Florists' Review.

MILBURN, N. J.—Mr. H. Stevens has a fine house of Black Hamburg grapes grown in pots and carrying 10 to 12 lbs. of fine fruit to each pot. The plants are about 10 months old. The fruit will be ready for market the latter part of April. He has also a house of Muscat of Alexandria just started.

LANSING, MICH.—J. A. Bissinger intends just so soon as Easter shekels are gathered in to rebuild his whole establishment and erect a model in every sense.

"SUBSCRIBER."—Kindly bear in mind that the real name and address must accompany all communications to insure attention.

YOU CAN BUY all your trade supplies to the very best advantage from advertisers in The Florists' Review, and at the same time advance the interests of your paper.

TRY AN ADV. in the Review if you have any surplus stock to sell to the trade.

THE MUM IN POLITICS.

The "Human Chrysanthemum" is the title given a certain politician by some erratic newspaper writer. The title was suggested by the long curly hair and gorgeous wardrobe of the victim.

KNOXVILLE, TENN.—Mr. Chas. Crouch has 30,000 feet of glass and is just completing a house 20x150 and expects to start on another as soon as this house is finished. He finds trade very satisfactory.

SEND IN your order now for a copy of The Florists' Manual, by William Scott. It will cover the whole field of commercial floriculture and will be the standard work of reference for the trade. Price \$5.00.

WILKESBARRE, PA.—Benj. F. Dorrance has begun the erection of ten new rose houses.

SPRINGFIELD, MASS.—The Chas. R. Miller Co. has purchased the business of the Gale Floral Co. Mr. Gale will devote his full time to his duties as city forester.

NEW CASTLE, IND.—The South Park Floral Co. has been incorporated with a capital stock of \$20,000.

IT IS REPORTED that Porto Rico has been selected as the site of the proposed botanical garden in the tropics.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

FOR RENT OR SALE—First class retail stand, 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

FOR SALE—Retail store, with greenhouse attached; excellent opportunity for good up-to-date man; reason for selling, ill health. Address Western, care of Florists' Review.

SITUATION WANTED—By good rose grower and general florists' stock. Address L. C., care of Florists' Review.

WANTED—A good A1 market gardener, well up in celery growing. State lowest wages expected with board. Address Gardener, care of Florists' Review.

SITUATION WANTED—As foreman, by a first class grower of roses and cut flowers; good propagator and general plantman. Open for engagement to suit employer. Single. Best of references. Address Foreman, care of Florists' Review.

SITUATION WANTED—By a first class grower of roses, carnations, chrysanthemums and general stock; capable of taking charge; employed at present but has good reason for desiring to make a change; best of references; age 29, single. Address 15, care Florists' Review.

SITUATION WANTED—By a good all around man; roses a specialty; references. Address J. R., care of Kennicott Bros. & Co., 42 Randolph St., Chicago.

WANTED—Rose grower who can grow first class stock and not afraid of work; sober and reliable; steady place for the right man; give reference. Humfeld Floral Co., Ninth and Highland, Kansas City, Mo.

WANTED—A good man for out-door work, one who knows the care of trees for a large public place; none but an experienced man should apply. Address Richard Frow, 4206 Nat. Bridge Rd., St. Louis, Mo.

E. G. HILL & CO.,
RICHMOND, IND.

EARLY CHRYSANTHEMUMS
in fine stock and large quantity.

Lady Fitzwygram, finest early white.

Mme. Bergman, Glory Pacific,
Geo. S. Kalb, all at \$2.50 per 100.

Mlle. Lucie Faure, grand new White of
"Bonnaillon" type,
\$12.00 per 100.

Polly Rose, White Glory of the Pacific,
\$20.00 per 100.

CARNATIONS.

Grand America, for April delivery, per
Cuttings of fect stock, \$10 per 100.

Flora Hill, Jubilee, Daybreak, Victor,
at \$1.50 per 100.

Finest Strain of.....CYCLAMEN

in America, in separate colors, 2-in. pots, clean
and unchecked, ready in April, \$1 per 100.

New Roses, Admiral Dewey, \$30 per
100; Maid of Honor,
\$15 per 100.

Bride, Bridesmaid, White Bougere,
Muriel Graham, C. Soupert,
Marie Guillot, Pink Soupert,
White La France, Mosella,
Fine stock, in large quantity, \$2.50 per 100.

12 finest New Geraniums of the year
for \$3.00.

3 New Bruants for 75 cents.

Extra well grown stock of Asparagus

Plumosus, \$5 per 100; Sprengerii, \$5 per 100

E. G. HILL & CO.

Mention The Review when you write.

FOR SALE—Three Greenhouses, Ground, House,
Stable; plenty of water. Box 49, Kirkwood, Mo.

SITUATION WANTED—A young man, 21 years of
age and single, desires employment in or near Phila-
delphia, in greenhouses or cut flower store; 7 years' ex-
perience as assistant in greenhouse and cut flower store.
A full statement given in what he is most experienced
and what he is capable of doing, very best of reference.
Address H. C. H., care of Florists' Review.

FOR SALE—A fine farm with improvements; also
nursery with well established trade, located in the
Chattanooga Fruit Belt. Address E. F. Wetmore,
Ogden, Tenn.

A BARGAIN! A good
chance for
the right
man.

Retail Floral Store on one of our side busi-
ness streets for sale at
a bargain. Don't write unless you mean
business. WM. P. KASTING,
495 Washington St. BUFFALO, N. Y.
Mention The Review when you write.

WATCH OUR ADVS!!

Asparagus Sprengerii, green and bushy, 4-inch
pots, \$1.50 per doz., \$12.00 per 100.
Flamingo Canna, 4-inch, 75c doz., \$5.00 per 100.
English Ivy, Weeping Lantana, Blue Spirea,
Little Gem Calla, 2-inch pots, \$2.00 per 100.
Leading Carnations, prices on application.
Strong one year field plants, A. Waterer and
Blue Spirea and English Ivy, 60c a dozen, \$1 a
100. Gladiolus mixed, 50c a 100, \$1.50 a 1000. Coral
Clematis, 1 1/4-in. pots, \$3 a 100. Strong 2-in. Violets
from cold frame, California, \$1.50; Campbell, \$2.50;
Swanly White, \$3.00 per 100.
Cash with order, please.

RONEY BROS., Florists, West Grove, Pa.
Mention The Review when you write.



Verberna King

SAYS:

Jones pays the freight—
So do we on all rooted
cuttings, and until furth-
er notice we will sell our
fine Mammoth Verbe-
nas at 60c per 100, \$5
per 1000; all well root-
ed, true to name, strictly
free from rust or mildew.
Our Verbenas go every-
where, it makes no dif-
ference where you live
we guarantee to reach
you in safety and guar-
antee satisfaction; what

more can you ask? Just try us and we will do the rest.
We can fill all orders for Verbenas, it matters not how
large the order may be, at the following prices: 60c per
100, \$5 per 1,000; 5,000 for \$22; 10,000 for \$40; 25,000
for \$95; 50,000 for \$175. Yes, and we have them, too.

OUR MAMMOTH VERBERNA PLANTS
are now ready, they are fine strong plants and will
surely please you, at \$2.00 per 100, \$18.00 per 1000.

25,000 CARNATIONS, Flora Hill, Mayor
Pingree, Morello, \$2.50 per 100, \$20.00 per 1,000.
Daybreak, \$2.00 per 100, \$18.00 per 1,000. L.
McGowan, Portia and Wm. Scott, \$1.00 per 100,
\$9.00 per 1,000. Well rooted and satisfaction
guaranteed. Yes, and I will pay express on
them, too.

THAT CASH, PLEASE.

Send for new descriptive list.

FROM ILLINOIS. (SEE I)

C. HUMFELD. Dear Sir:—The plants arrived in
good shape and are doing nicely; am very much
pleased with them. We have also decided to give
you another order. We have spent considerable
money for cuttings and also plants, but they
hav'n't any proved as satisfactory as yours, there-
fore, you are the only firm that has received our
second order. Yours very truly,

W. YERBURY, Rock Island, Ill.

C. HUMFELD, Clay Center, Kan.

THE ROOTED CUTTING SPECIALIST.

Mention The Review when you write.

WANTED.

A working foreman. Must be a good
cut flower grower, particularly of Roses,
Carnations and Mums.

CRABB & HUNTER,

Grand Rapids, Mich.

BUSINESS
OPPORTUNITY.

A rare opportunity is
open to a hustling
business man
with some
capital to
get into a well established and profitable busi-
ness. A chance of a life-time.
Those meaning business may obtain particulars
by addressing

ROX, care of Florists' Review.

FOR SALE.

On account of poor health I want to retire
from the greenhouse business, and now offer my
Greenhouse Establishment for sale, which
is one of the best paying and one of the best ar-
ranged greenhouse plants that can be found any-
where in a city of 10,000 people. No opposition
and only 20 miles from St. Louis, where you can
realize a better and bigger profit on the price I
ask than you possibly can make anywhere else
with less labor and expense.

Write for full description if you mean busi-
ness. Address

MISSOURI, care of Florists' Review.

H.W. BUCKBEE
Seed Specialist,

Rockford Seed Farms.

Forest City Greenhouses.

Lock Box 911.

ROCKFORD, ILL.

Special Prices Upon Application.

Mention The Review when you write.

E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention the Review when you write.

CLEVELAND.**Trade Review.**

The flower business has held up wonderfully during the whole of Lent. Plenty of funeral work and "opening" decorations kept things humming the past week. Easter prospects are very good. Prices this week as follows: Roses, \$3 to \$6 per 100; carnations, \$1 to \$1.25, fancy \$2; tulips, hyacinths and valley \$3 to \$4; Romans \$1 to \$2; daffs, 75 cents to \$1; freesia \$3; Harrisii and callas \$12. Plant trade is picking up. Azaleas sell from \$1.50 to \$5.

Various Notes.

Mr. J. M. Glasser was in Chicago a few days last week.

Mr. W. Beaumont has moved to Euclid avenue in C. Erhardt's old stand; the latter has opened a flower department in the Hoyt Kurt & Sefton Co.'s department store.

F. Ehrbar has returned from Texas, after a few weeks' sojourn.

O. A. C. O.

ALBION, MICH.—The Misses Dysinger are greatly encouraged with the results of the season. They are enthusiasts and inspire their patrons most successfully. Commencing purely through affection for the beautiful the present snug plant is the outcome.

**Cincinnati
Cut Flower Co.**W. A. MANN.
FRANK W. BALL.416 Walnut St. **Wholesale Florists**
CINCINNATI, O.Consignments Solicited.
Special Attention Given to Shipping Orders.
Mention The Review when you write.**WHOLESALE FLORIST,**
11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.
Mention The Review when you write.**S. B. WINTER,**L. P. KELLY,
Manager.

Telephone Main 4580.

21 Randolph Street, CHICAGO.

COMMISSION HANDLER OF

High Grade Cut Flowers

GROWERS OF GOOD STOCK....

Can Secure the Best and Quickest Returns by Consigning to us.

EASTER PRICE LIST.—Subject to Change without Notice.**ROSES**

American Beauties, long....	per doz.,	\$5.00—	\$6.00
" " medium " "	"	2.00—	4.00
" " short " "	"	1.00—	1.50
Meteors, Maids.....	per 100,	6.00—	8.00
Brides.....	"	6.00—	8.00
Perles.....	"	4.00—	6.00
Roses, seconds, average	"	5.00—	

CARNATIONS

Fancy varieties.....	Per 100	\$5.00—
Ordinary varieties, extra quality.....		4.00—

MISCELLANEOUS

Freesia.....	per 100,	\$2.00—
Callas.....	per doz.,	2.00—
Harrisii.....	per 100,	15.00—
Romans.....	"	8.00—
Narcissus.....	"	8.00—
Daffodils.....	"	8.00—
Tulips.....	"	3.00— 5.00
Valley.....	"	4.00— 5.00
Violets.....	"	.75— 1.00

Mention The Review when you write.

Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of
and Dealers in **CUT FLOWERS**

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.

Our prices are as low as any
and our stock superior.
We ask for a trial order.

Mention The Review when you write.

A. L. RANDALLTelephone
1496**Wholesale Florist**

4 Washington St., Chicago.

In our new and enlarged quarters we are better
prepared than ever to handle your orders.
Mention The Review when you write.**WHOLESALE GROWER OF ROSES. DEALER IN CUT FLOWERS.****J. A. BUDLONG,**37-39 Randolph St., CHICAGO, ILL.
Mention The Review when you write.

F. F. BENTHEY, MANAGER.

BENTHEY & CO.,
Wholesale and Commission
FLORISTS,

41 Randolph Street, CHICAGO.

Consignments solicited.
Mention Florists' Review when you write.**C. A. KUEHN** **WHOLESALE FLORIST**

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral
Designs. A full line of supplies always on
hand. Write for catalogue and prices.**1122 PINE STREET, ST. LOUIS, MO.**

Mention Florists' Review when you write.

**H. G. BERNING,**(Successor to
St. Louis Cut Flower Co.)**WHOLESALE FLORIST,**1322 Pine Street,
ST. LOUIS, MO.

Mention The Review when you write.

ELLISON & TESSON,
WHOLESALE SHIPPING**FLORISTS**

3134 Olive Street, ST. LOUIS, MO.

...Home Grown Stock...

Mention The Review when you write.

C. W. WORS,

2740 Olive Street, - - ST. LOUIS, MO.

Flowers at Wholesale**ROSES, and a full line.**

Headquarters for the Southwest.

Mention The Review when you write.

Maplewood Cut Flower and Plant Co. **GEO. M. KELLOGG, Pres.**Growers of **CUT FLOWERS** at Wholesale.Regular shipping orders given special attention. We
have the largest plant west of Chicago.Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.

Mention The Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers

REINBERG BROS.

Largest Growers of Cut Flowers in America

51 Wabash Avenue, CHICAGO.

600,000 feet of glass.

Send us your
Easter Orders
NOW.....

EASTER PRICES, Taking effect Tuesday, March 28.

AMERICAN BEAUTY		
Extra long stem.. per doz.	\$5.00 to \$6.00	
24-inch stem.....	3.50 to 4.00	
20 " " " " " "	2.50 to 3.00	
15 " " " " " "	2.00	
12 " " " " " "	1.50	
8 " " " " " "	1.00	
METEOR..... per 100,	6.00 to \$8.00	
BRIDESMAID..... per 100,		\$6.00 to \$8.00
BRIDE.....	"	6.00 to 8.00
PERLE.....	"	5.00 to 6.00
CARNATIONS.....	"	4.00
" " fancy.....	"	5.50 to 6.00
Roman Hyacinths.....	"	3.00 to 4.00
Valley.....	"	4.00 to 5.00
Daffodils.....	"	3.00 to 4.00

Quotations subject to change without notice. All other stock at lowest market prices.
No charge for packing.

Mention the Review when you write.

Special Offer.

200 Norway Spruce, 3 to 4 ft.....6 cents each
300 " 3½ to 3 ft.....5 " "
200 American Arborvitae, 3 to 4 ft. 6 " "
300 " 2½ to 3 ft. 5 " "
200 Irish Juniper, 3 to 4 ft.....9 " "
400 " 2½ to 3 ft.....7 " "
400 " 2 to 3 ft.....5 " "
300 Sugar Maple, 10 to 12 ft.....10 " "
200 " 9 to 10 ft.....9 " "
50 American Linden, 10 to 12 ft.....8 " "
2000 Norway Maple, 4 to 6 ft.....\$15.00 per 1000
3000 " 3 to 4 ft.....10.00 " "
2000 " 2½ to 3 ft.....8.00 " "
10,000 Peach, all grades and varieties.
All stock strictly first-class, carefully dug and handled.

C. L. LONGSDORF, Floradale, Pa.

Mention the Review when you write.

THE HARRISH DISEASE can be prevented by immersing the bulbs for 5 hours in a half solution of

Kraft's Plant Tonic 99 per cent

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills Hard Shelled Scale, Mealy Bug, and other insect pests without injury to the plant. Send for circular.
KRAFT PLANT TONIC CO. Rockford, Ill.

Mention The Review when you write.

Ornamental Shrubs,

HERBACEOUS PERENNIALS.

A specialty of Iris, Phlox, Pæonies, Pyrethrums, Poppies, etc. Wholesale List on application.

JACOB W. MANNING,

The Leading ESTABLISHED 1854.
New England Nurseryman. READING, MASS

Mention The Review when you write.

The New York Market Florist Association

A. D. ROSE, SEC'Y.

Market open for business March 18, at CLINTON MARKET,
Cor. of CANAL AND SPRING STS., NEW YORK CITY.

General line of **SPRING BEDDING STOCK**
and **EASTER PLANTS**

Mention the Review when you write.

High-grade
Fancy
Leaved
CALADIUM
BULBS...

AT ONE-HALF THEIR VALUE.

Wishing to discontinue these high grade plants, I am offering them as long as stock will hold out at less than one-half their value. Address without delay....

F. J. ULBRICHT,

L. B. 655, - - Anniston, Ala.

Mention The Review when you write.

CLEMATIS.

Large flowering, either dormant or growing in pots, strong, healthy, home-grown plants, 10 leading sorts, \$2.50 per dozen, \$20.00 per thousand.
Downing Gooseberry, 25,000 1 and 2 yr., very low.
H. P. Roses, leading kinds..\$1.50 doz., \$10 per 100
Monthly Roses, 4-in., fine } 1.00 " 8 "
plants }
Pæonies, best market sorts.. 1.25 " 8 "
Smilax, strong, fine plants, 3-inch..... 2 "

F. A. BALLER, Bloomington, Ill.

Mention The Review when you write.

Ampelopsis Virginica.

Strong two-year Seedlings, \$3.00 per 100; 3 to 6 ft. \$6.00 per 100. Ampelopsis dissecta or heterophylla, a scarce but valuable species. Fine for covering fences and rough or rocky places. Strong 3-year plants, \$1.50 per doz., \$10.00 per 100. No. 1 Seedlings, \$3.00 per 100. Wistaria magnifica, strong vines, 4 to 6 ft., \$3.00 per doz.; 3 to 4 ft., \$10.00 per 100. Seedlings, \$25.00 per 1000. A fine lot of ornamental nursery stock. Catalogue free. Wholesale list for all in the trade.

SAMUEL C. MOON,

MORRISVILLE, Bucks County, Pa.

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GOLD FISH and Send for
Price List.
AQUARIUM SUPPLIES.

KEENAN'S
SEED
STORE.

6112 and 6114
Wentworth Avenue,
CHICAGO

Mention The Review when you write.

LONG DISTANCE
TELEPHONE
CENTRAL 466

KENNICOTT

...THIS YEAR'S CUSTOMERS

Note to Growers: We are always open to handling more first-class stock. Any one consigning to this market would do well to write to us; as the more control we have the better the returns. As all florists do not want A 1 stock, some requiring medium grades, this gives us a chance to dispose of both ends and therefore high averages. If you ship elsewhere, split and see the results.

VIOLETS our specialty

**EASTER
FLOWERS
Mixed Tulips
EASTER
FLOWERS**

VIOLETS our specialty

HARRISII Price \$12.50 to \$15.00 per 100.

Wholesale C

AND FLORIST

42 and 44 Randolph

EASTER P

All Flowers in Season at Lowest Market
We always ship extra select or high

P. AND D. AT COST

BEAUTIES.....
" Fancy, fair length.....
" long.....
METEORS, select.....
MAIDS and BRIDES, select.....
METEORS. MAIDS, BRIDES, good.....
ROSES (our selection), seconds.....
PERLES.....
CARNATIONS, select.....
" good average.....
" white.....
VIOLETS.....
VALLEY.....
TULIPS, double.....
" light pink, Klehm's Novelty.....
" single.....
DAFFODILS.....
NARCISSUS.....
FREESIA.....
CALLAS.....
HARRISII.....
MARGUERITES, white.....
SMILAX, scarce.....
ADIANTUM.....
ASPARAGUS.....
COMMON FERNS, per 1000, \$2.00.....
GALAX " 1.50

DAFFODILS, ROM

WIRE WORK A SPECIALTY.....

On Wire Goods we can discount our own
or any other list. ❀ ❀ ❀

Carnation Whi

T BROS. CO.

Store open until 6:30
p. m. week days.
Until Noon Sundays and
Holidays.

MUST BE OURS NEXT YEAR...

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STS' SUPPLIES,

h St., Chicago, Ill.

PRICE LIST.

arket Rates.

h grade goods unless otherwise ordered.

ST.
... \$1.00 to \$2.00 per doz.
... 3.00 to 4.00 "
... 5.00 to 7.00 "

	PER 100
...	\$ 6.00 to \$ 8.00
...	6.00 to 8.00
d average	5.00 to 7.00
...	5.00
...	5.00 to 7.00
...	3.00 to 4.00
...	2.00 to 3.00
...	3.00 to 5.00
...	.75 to 1.00
...	4.00 to 5.00
...	3.00 to 5.00
y	4.00 to
...	3.00
...	2.00 to 3.00
...	3.00 to 4.00

, ETC., ETC.

...	12.50 to 15.00
...	12.50 to 15.00
...	.60 to .75
...	15.00 to 20.00
...	1.00

per string, \$0.50 to \$0.65

...

MANs, NARCISSUS.

CALLIAS

Price \$12.50 to \$15.00 per 100.

VIOLETS our specialty



EASTER
FLOWERS
KLEHM'S
Novelty Tulips
EASTER
FLOWERS



VIOLETS our specialty

Price Lists. Having been in this line for more than twenty years, we find that Price Lists are still a future forecast, and therefore quotations are only according to our best judgment. All stock is billed at Chicago market prices. We are the largest commission house in the west and represent nearly a million feet of glass, but make specialties of Brides, Bridesmaids and Meteors in Roses; Violets, Carnations and Bulb Stock.

ite Daybreak

This is the fine white sport of Daybreak that originated with Mr. P. M. Broadbeck. We have sold the flowers for several years and know it to be a good thing, and a money-making sort for the grower. Mr. Broadbeck is now prepared to disseminate it. Orders may be sent to us or direct to Mr. P. M. Broadbeck, Cullom and Clark Sts., Ravenswood, Chicago.

ROOTED CUTTINGS, \$12.00 per 100.

ABUTILONS.

[From advance sheets of the Florists' Manual, by William Scott.]

Greenhouse shrubs with drooping, bell-shaped flowers, ranging in color from pure white to crimson and purple, mostly erect in growth. A few of the species will endure a few degrees of frost, but they are best treated as cool greenhouse plants during our winters. The hybrids now both in beauty of leaf and flower far surpass the true species. They are largely used in sub-tropical flower gardening, growing very freely in our warm summers and are fine ornamental plants for the conservatory, and can either be grown as specimen plants in pots or trained to pillars or rafters. As a commercial plant, except for flower gardening, they are not of great value, being strong growers and occupying too much room for their value.

They are easiest propagated from the young tender growths. If desirable to increase your stock in the fall, September is the best month, keeping the sand very moist and not allowing the cuttings to wilt from the heat or sun. The plants lift from the open ground perfectly in October and if cut back during the winter will give you lots of cuttings which root most easily in the ordinary propagating bed.

A. vexillarium is a drooping species and used largely in hanging baskets, veranda boxes and carpet bedding. For a drooping plant for a vase they should be propagated in September from the young shoots of plants growing outside. By spring these should be in 3-in. pots and are most useful for the purpose described.

Abutilons are troubled with few enemies. The hose will keep down mealy bug, and aphids seldom appear. Any soil that water passes freely through will grow abutilons, but much manure should be avoided, as most of the kinds are very free growers. The following varieties are fine decorative plants: *Saritzil*, green and white foliage; *Mrs. J. Laing*, strong grower, flowers bright rose; *Souvenir de Bonn*, variegated foliage, orange flowers; *Infanta Eulalia*, compact grower for pots, flowers pink; *Boule de Nieve*, pure white; *Thompsonia plena*, free blooming double orange.

KALAMAZOO, MICH.—This city has acquired quite a reputation as a carnation center in addition to its renowned strain of celery.

At the Dunkley Floral Co.'s establishment we met our old friend Wm. Cook, of Cincinnati, and Chicago. Mr. Cook has charge here and is showing the effects of his cultural skill.

G. Van Bochove & Bro. do a large shipping business in addition to a good retail patronage, one of the neatest, best equipped plants can be seen here.

The Right Cypress for Greenhouse Material.

Have you heard of Cypress Greenhouse Material that has not been satisfactory? If you have it does not follow that Cypress is not the best lumber to use. There is White Cypress, Yellow Cypress and Red Cypress; there is Cypress that grows on the high lands and Cypress that grows in the swamps.

All of these different kinds are not suitable for greenhouse purposes. Do you know which kind is best and do you know that kind when you see it? If not you would better buy from those that do know and will deliver exactly what they sell. We introduced Cypress for greenhouse construction and pushed it to the front. We know all about it. For fifteen years we have made a specialty of furnishing it, and during this time we have built up a reputation that we can not afford to jeopardize. We send out the best only.

Write for Circulars
or Estimates.

Lockland Lumber Co.

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ESTABLISHED 1802

THORBURN'S SEEDS

COCOS WEDDELIANA at \$7.50 per 1,000

LATANIA BORBONICA at 50c. per Lb.

Asparagus Sprengeri at \$6 per 1000 seeds

Anemone, Finest Caen Mixed, at \$3 per lb.

J.M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

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LINENOID VASES....

White, Blue, Wine or Green Enamel,
Diameter 10 in., depth 24 in. Price \$300
Delivered in U. S. A. on receipt of price,
or sent C. O. D. on approval.

CRANE BROS., Westfield, Mass.

MANUFACTURERS OF
LINENOID SEAMLESS SPECIALTIES.
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GLADIOLUS BULBS.

Marie Lemoine, size No. 1, 75c per 100, \$4.00 per 1000; size No. 2, 60c per 100, \$3.00 per 1000. Marie Lemoine Bulbets, should mostly bloom the first year, 60c per 1000; 5000 and over, 50c per 1000. Cash with order.

JOHN FAY KENNEL, Box 405, Rochester, N. Y.

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CHRYSANTHEMUMS.

Good, strong, healthy stock of the following well-known varieties:

Mme. G. Bergmann	Rose Owen
Ivory	Eugene Dailedouze
The Queen	Wm. H. Lincoln
Mrs. Jerome Jones	Col. W. B. Smith
Etoile de Lyon	Mrs. J. G. Whilldin
Miss Minnie Wanmaker	V. H. Hallock
Golden Wedding	Maud Dean
Niveus	Chillingfordii
Minerva	Geo. W. Childs
Liberty	Bessie Burton
Bonnaffon	Modesto
Mrs. J. J. Glessner	Mrs. Murdock
Belle of Castlewood	J. G. Woodford

from 2½-in. pots, \$2.00 per 100; per 1000, \$15.00

Cannas, good variety named \$2.00 per 100

mixed 1.00

Nymphaea Odorata Gigantea, strong roots 8.50

R. VINCENT, JR., & SON, White Marsh, Md.

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FELTHOUSEN Wants Room.

Read this and let us hear from you.

Remember, our Geraniums are grown in flats and in soil. Our selection \$1.50 per 100, \$12.00 per 1,000. Mme. Salleron, same price and grown in soil. Rose Geraniums, \$2.00 per 100. Ageratum, blue and white, 60 cents per 100, \$5.00 per 1,000. Fuchsias, standard sorts, \$1.50 per 100, \$12.00 per 1,000. Fever Few, Little Gem, from flats and in soil, \$1.25 per 100, \$10.00 per 1,000. Salvia Splendens and Bedman, \$1.00 per 100. Heliotrope, six varieties, \$1.00 per 100, \$9.00 per 1,000. Vinca Variegata, cuttings, \$1.25 per 100, 4-in. stock, fine, \$8.00 per 100, \$50.00 per 1,000. Coleus, all the best varieties. C. Verschaffeltii and Queen, 75 cents per 100, \$8.00 per 1,000. Coleus, in variety, 60 cts. per 100, \$5.00 per 1,000. The above are Rooted Cuttings, except when noted.

Cash must accompany all orders.

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	Per 100.	1000.
Helianthus giganteus	\$3.00	\$20.00
Clumps..	6.00	50.00
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Clumps..	6.00	50.00
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Clumps..	6.00	50.00
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Clumps.....		

250 at 1000 rate. Send for list.

REA BROTHERS, - Norwood, Mass.

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W. T. METTOR BROS.

51 Wabash Ave., CHICAGO.

Wholesale Growers of

Cut Flowers.

SEND YOUR EASTER ORDERS EARLY.

We grow all the stock we offer,
and will have a large supply for Easter.

Our CARNATIONS are in extra fine condition
and we can meet all demands.

EASTER PRICE LIST.

Chicago, March 27, 1899.

Per doz.	
Am. Beauty, extra long stem	\$3.00 to \$6.00
" 24-in. stem	3.50 to 4.00
" 20-in. "	2.50 to 3.00
" 15-in. "	1.50 to 2.00
" 12-in. "	1.00 to 1.50
" 8-in. "	1.00
Meteor.....per 100	4.00 to 8.00
Bridesmaid....."	6.00 to 8.00
Bride....."	6.00 to 8.00
Kaiserin....."	6.00 to 8.00
Perle....."	3.00 to 5.00
Carnations....."	3.00 to 4.00
" fancy....."	5.00
Harrisii Lilies....."	12.00 to 15.00
Calla Lilies....."	10.00 to 12.00
Roman Hyacinths....."	3.00 to 4.00
Valley....."	4.00 to 5.00

All other stock at lowest market prices. No charge for packing.

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WE WILL PAY CASH
FOR GOOD

Smilax

Cut Strings.

State quantity, describe fully;
or will sell on commission.

E. C. AMLING,
51 Wabash Ave., - Chicago.

Mention The Review when you write.

GOOD STOCK at FAIR PRICES.

Persian and other Lilac, 5 to 6 ft., 20c each.
Spiraea — Thunbergia and Reevesia, 3 to 4 feet,
15c each.

Raspberries — Cuthbert, E. Prolific, Marlboro,
and Golden Queen, \$1.00 per 100, \$8.00 per 1000.
Gooseberries — Red Jacket, 2 years, 65c per 10,
\$5.00 per 100. Houghton, 2 years, 35c per 10,
\$1.25 per 100.

Golden Mayberry, \$1.25 per 100, \$10.00 per 1000.

GEO. F. CURWEN,
VILLA NOVA, - - Del. Co., Pa.

Mention The Review when you write.

SMILAX from flats, extra strong, by mail or
express. Express paid to all parts
of the U. S. or Canada. 40c per 100,
\$3.50 per 1000; \$5.00 per 5000.

WILLIS & BONHAM, - - MACOMB, ILL
Mention The Review when you write.

ROSES..

I have to offer the following list, of summer
propagation, now in 2½-inch pots; in
fine, healthy condition:

Archduke Charles	Mme. Margottin
Agrippina	Mme. Lambard
Beaute Inconstant	Marie Guillot
Bon Silene	Mme. de Watteville
Bride	Mme. Welche
Bridesmaid	Mme. Schwallier
Clara Watson	Mme. Joseph Schwartz
C. Soupert	Maman Cochet
Christine de Noue	Mrs. DeGraw
C. Mermet	Meteor
Climbing Wootton	Media
Climbing Meteor	Maria Van Houtte
Duchess of Albany	Papa Gontier
Devoniensis	Princess de Sagan
Dr. Grill	Pink Soupert
Duchesse de Brabant	Pres. Gaulain
Etoile de Lyon	Pres. Carnot
Enchantress	Queen Scarlet
Folkstone	Souv. de Wootton
General Lee	St. La France
Golden Gate	Sombreuil
Geo. Bancroft	Safrano
Henry M. Stanley	Snowflake
K. Augusta Victoria	The Queen
La Pactole	T. Pernet Pierre
La Princess Vera	Valle de Chamonix
La France	Victor Hugo
Mozella	White Maman Cochet
Malmaison	White La France
Mme. Camille	Yellow Rambler

Price for general assortment from above, and
not in excess of any one variety and not less than
5 of any one variety, \$2.50 per 100 or \$20.00 per
1000. Can prepay by mail for 25c per 100 extra.

R. H. MURPHEY, Urbana, Ohio.
Mention the Review when you write.

Always mention the Florists' Review when
writing advertisers.

Easter Lilies and Plants

Harrisii, excellent stock, bloom and bud, \$12.00
per 100.

Otaheite Oranges, with fruit, bloom and
buds, 50c to 75c each.

Draenas Linden Massangeana, 7-inch
pots, 12 to 15 leaves, \$1.50 each; Fragrans,
same size, \$1.00 each.

Dieffenbachias, 5-inch pots, 50c each.

Pandanus Utilis, 6-inch pots, 20 to 25 leaves,
75c each.

Latania Borbonica, from 6-in. pots, 7 leaves,
75c each.

Kentia Belmoreana, 6-inch pots, 3 to 3½ feet
high, 6 to 7 leaves, \$1.75 each.

Seaforthia Elegans, 3 to 3½ feet, 5 leaves,
75c each.

Cocos Weddeliana and Marantas or Cal-
anthes Zebrina, from 2½-inch pots, for
jardinieres, etc., \$1.50 per dozen.

10 per cent. discount for cash, and
20 per cent. discount by the dozen.

Send money for samples.

Send for prices for smaller stock
for growing on.

N. STUDER, Anacostia, D. C.

Mention the Review when you write.

VINCA MAJOR

Propagated
last August.

VARIEGATA.

Will make fine
plants, with 4 to 5
leads for Decoration
Day, if shifted and stopped now. \$3.00 per 100;
\$25.00 per 1000. From 3-inch pots, 5.00 per 100.

Nathan Smith & Son, Adrian, Mich.

Mention The Florists' Review when
writing advertisers.

Philadelphia is Headquarters for... **Easter Stock**

IN BOTH CUT FLOWERS and PLANTS.

**We are Headquarters
...in Philadelphia**

OUR FACILITIES for handling a large business are unsurpassed, as we have the best equipped establishment in the United States.

TRY US THIS EASTER. ————— YOU WILL COME AGAIN.

SAMUEL S. PENNOCK, Wholesale Florist

OPEN DAY AND NIGHT—From 12 A. M. Mondays to 10 P. M., Saturdays.

A constant supply of SELECT VALLEY the year round. 1612-14-16-18 Ludlow St., Philadelphia, Pa.
AMERICAN BEAUTIES OUR SPECIALTY.

Mention the Review when you write.

PHILADELPHIA.

The Market.

Trade in general has been very dull the past week, with little or no change in prices, Beauties bring from \$2 to \$4 per dozen; Brides and Maids \$6 to \$8 per 100; Meteors \$4 to \$6; Romans \$2 to \$3; Tulips, Narcissus and Valley \$3 to \$4.

Notes.

J. J. Habermehl's Sons had quite a number of large decorations the past week, requiring all the decorative stock on hand.

E. W. Redfield, Glenside, Pa., has sold out his business with the intention of going to Paris some time next month.

Visitors the past week were quite numerous, most of them in search of Easter stock. We noted John Bader and J. Ludwig, Allegheny; Mr. Giles of Hoskins & Giles, Reading; Ira G. Marvin, Wilkes Barre; Lloyd Keim, Pottstown; Lloyd Blick, Norfolk, Va.

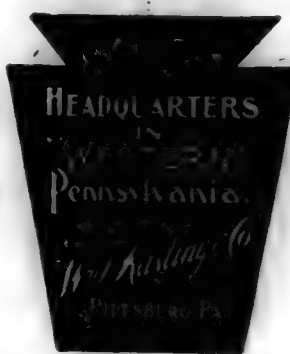
There was a number of prominent florists victimized by a swindler last week, who represented himself to be an employe of the P. & R. R. R. Wherever possible he secured loose cut flowers and instructed the victim to call at Reading Terminal Sta. where they would be given the order for the funeral design for an employe supposed to have died a few days since.

Mr. Robt. Kift was in New York and vicinity the past week: R.

EAST STROUDSBURG, PA. — On March 10 the partnership association, Mader & Stemple Co., Ltd., was dissolved by vote of all the members interested therein. The business will be continued by Mr. Paul Mader, who will also settle the business affairs of the late partnership association.

ROSES,
Carnations
VALLEY
FERNS,
GALAX, and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

Consign-
ments of
good stock
solicited.



We get
daily new
customers
because
we have
the
reputation
that
all orders
are
punctually
filled.

Long
Distance
Telephone
2985.

WM. F. KASTING & CO., F. STOKES,
Manager.

Wholesale Florists. 444 Sixth Ave.

All kinds of FLORISTS' SUPPLIES and
WIRE DESIGNS on hand.

Mention The Review when you write.

Cut Flower Exchange,

404 - 412 East 34th St., New York,

NEAR THE FERRY.

Open Every Morning at 6 o'clock for the sale of
CUT FLOWERS.

Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

Mention The Review when you write.

HOUSE PLANTS IN THE HOUSE.

The PLANT trade from the point of
"business," and also the care of Plants,
treated in an attractive six-page Folder
to be given to customers.

Sample order of 25 copies mailed for 60c in stamps

Dan'l B. Long, Publisher, Buffalo, N. Y.

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Rose Hill Nurseries.

Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

Largest stock in America.

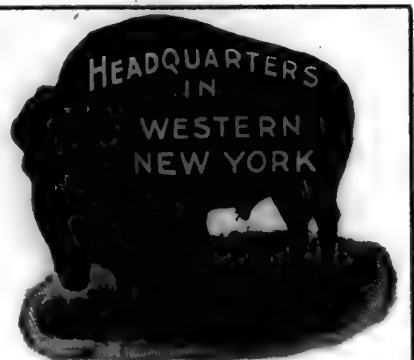
SIEBRECHT & SON,

New Rochelle, N. Y.

Mention The Florists' Review when
writing advertisers.

GIVE US
A
TRIAL.
WE CAN
PLEASE
YOU.

Roses,
Carnations
and all
kinds of
Seasonable
Flowers
in stock.



**WM. F. KASTING, Wholesale Com-
mission Florist.**
495 Washington St., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire
Designs.

Mention The Review when you write.

WM. J. BAKER,

WHOLESALE
CUT FLOWERS,

1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

Mention The Review when you write.

EDWARD REID,

Wholesale
Florist,

LONG
DISTANCE
PHONE.

1526 Ranstead St., PHILADELPHIA, PA.

Mention The Review when you write.

Pandanus Veitchii

Clean Stock,
Pedestal
Grown.
6-in. pots, \$1.00 each; \$12.00 a dozen. Also larger
sizes. Send list of sizes required and get rates.
Also a few white leaved plants at half price, for
decorative effects or cutting up.

JOHN WELSH YOUNG, - Germantown, Pa.

Upsal Station, Penn. R. R.

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Always mention the Florists' Review when
writing advertisers.

Prompt
Service

We Will Have
What You Want

Careful
Packing

Every-
thing
We
Adver-
tise
We
Will
Have in
Quantity



Any-
thing
to be
Had we
Can
Furnish
If
Anyone
Can

PRICE LIST—Taking Effect March 27.

—CHICAGO.

ROSES.

Am. Beauties, long, per doz.....	\$5.00—	\$8.00
" medium, per doz.....	2.00—	4.00
" short, per doz.....	1.00—	1.50
Meteors, Maids, Brides and Kaiserin, per 100,	6.00—	8.00
Perles.....	4.00—	6.00
Roses, seconds, average.....	5.00—	

CARNATIONS

Are Our Specialty.

Fancy varieties, fancily grown.....	Per 100	\$5.00—
Ordinary varieties, fancily grown.....		4.00—

Miscellaneous.

Marguerites	per 100,	\$1.00—
Mignonette	"	3.00— 4.00
Forget-me-not	"	1.00— 1.50
Callas	per doz.,	2.00—
Harrisii, per 100, \$15.00	"	2.00—
Romans	per 100,	3.00—
Narcissus	"	3.00—
Daffodils	"	3.00—
Tulips	"	3.00— 5.00
Valley	"	4.00— 5.00
Violets	"	.75— 1.00
Pansies	"	1.00—

Decorative.

ASPARAGUS.

Per string.....	\$.50—
-----------------	---------

FERNS.

Per 100, 25c	per 1,000, \$2.50
Maiden Hair.....	per 100, \$1.00— 1.25

GALAX.

Bronze and Green, per 100, 15c	per 1,000, \$1.00
--------------------------------------	-------------------

SMILAX.

Common	per doz., \$1.50—\$3.00
Wild, Parlor Brand case.....	3.75
" Medium case.....	5.50
" Large case	8.00

All other flowers in season.

Above quotations are subject to change without notice. P. and D. at cost.

Extra select and inferior qualities charged for according to value.

Regardless of prices quoted all stock will be billed at lowest market rates.

Store open from 7:00 A. M., until 6:30 P. M. Sundays and Holidays closed at noon.

51
Wabash
Ave.

Our Prices—
Will Be Right

W. S.
HEFFRON,
Mgr.

TAUNTON, MASS.

One of the most recent additions to the list of carnation growers for the Boston market is Samuel J. Goddard, of Framingham. Mr. Goddard, who has been in America about six years, had a first class training in large English market establishments ere crossing the Atlantic. Before launching out into business on his own account he was foreman for W. Nicholson (late president of the American Carnation Society) at Framingham, well known as a successful carnation grower, and was largely instrumental in making that gentleman's business one of the best all round retail, as well as wholesale, ones in Massachusetts.

Although he did not commence building operations until the end of June, 1898, Mr. Goddard already has one of the best stocked and compact establishments near Boston. He is located about one and a half miles from Framingham Centre, his place is snugly ensconced and the scenery on all hands is most charming. On making our initial visit we were agreeably surprised to see such splendid carnations, for carnations are the leading feature here. We found two houses, each 100x20 devoted to the Divine flower.

Some scarlet Bradts were seen, which if they can be perpetuated will prove a welcome addition to our small list of scarlets. We took the trouble to count the buds and blooms on 200 plants of Bratt and totaled up 850 to say nothing of shoots. The popular idea that Bratt is a shy bloomer would hardly hold good with the variety as seen here in the middle of February. As much as \$1.50 per dozen wholesale was realized for Bratt during Christmas week, and it is generally admitted that the carnations from here have few equals and no superiors in the Boston market. White Cloud struck us as being the best of the new whites, although Mr. Goddard finds that Evelina gives an immense amount of flowers. Flora Hill is considered rather shy and weak-stemmed and will be dropped in favor of White Cloud. Freedom is the most prolific and profitable of any of the whites grown and many of the flowers were as large as any of the newer varieties. Edith Foster, another of Peter Fisher's raising, was also noted in fine shape as was also Alaska.

Among pinks Joost clearly took the lead and Scott, which has been such a good stand-by for several years, will be discarded in its favor, the former bringing double the price of Scott. Victor is well liked and will be largely grown next season. Daybreak was very fine. In yellows Gold Nugget looked remarkably well. Eldorado will be discarded. Pingree is not sufficiently profitable. In scarlets neither Bon Ton nor Wellesley are considered of any value. Jahn's Scarlet as seen here was excellent and wholesalers were said to be well pleased with it. Hector is practically discarded in

[Continued page 428.]

EASTER LILIES

FINE STOCK OF HARRISII, LONGIFLORUM.

WRITE FOR PRICES.

Pittsburg Cut Flower Co.

...LIMITED...

WHOLESALE FLORISTS,

705 PENN AVENUE

PITTSBURG, PA.

L. D. Telephone
2157.

FLORISTS' SUPPLIES.

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M. RICE & CO.

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FOR THE ASKING.

Exclusive Importers and
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Florists' Supplies

25 N. Fourth Street, PHILADELPHIA, PA.

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SELECT SEEDS

For Florists and Market Gardeners.
Wholesale Catalogue sent on application.

Semple's Aster, choice strain, pink, white and lavender, 1/4-oz., 40 cents; oz., \$1.50

W. C. BECKERT, Seedsman, Allegheny, Pa.

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FRUIT AND ORNAMENTAL

TREES

AT REASONABLE PRICES.

Small Fruits, Grapes, Shrubs, Climbing Plants, Roses, Evergreens, Hardy Plants, Pæonies. Largest and choicest collections in America.

BEST NOVELTIES

Descriptive Illustrated Catalogue free.

ELLWANGER & BARRY,
MOUNT HOPE NURSERIES, Rochester, N. Y.
Fifty-ninth Year.

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Burpee's Seeds Grow

Novelty

and a good one, Ageratum Blue Perfection, fine foliage and large, well colored flower, for pots or borders, 2 1/2-in., strong, 50c per doz., \$3.00 per 100. **CANNAS**, strong, 1 to 3 eyes, red leaved, \$1.00 per 100, \$8.00 per 1000. Named—Egandale, America, Queen Charlotte, Vaughan, Crozy, Italia, Austria, Chas. Henderson, Berat, etc., \$2.00 per 100, \$15.00 per 1000. Seedlings with leaves 6-in. high from above varieties, \$1.00 per 100, \$8.00 per 1000. Good mixed, 1 to 3 eyes, \$1.00 per 100, \$8.00 per 1000. Also Carnations, Geraniums, Coleus, Chrysanthemums, etc. Let us price your list.

RICHARD INSALL,

Lock Box 514, West Moorestown, N. J. Near Phila.
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CRABB & HUNTER,

Violet

Specialists.

CARNATIONS.

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CARNATIONS.

Orders received now for Spring delivery of A1 stock such as produces a crop—Marie Louise, Farquhar and Lady Campbell.

Rooted Cuttings of Flora Hill, Pingree, Morello and other standard varieties.

GRAND RAPIDS, MICH.

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Specialties For Easter!

FANCY ROSES

SELECT
CARNATIONSFANCY
VIOLETS
ORCHIDS

VALLEY

BEAUTIES

LILIES

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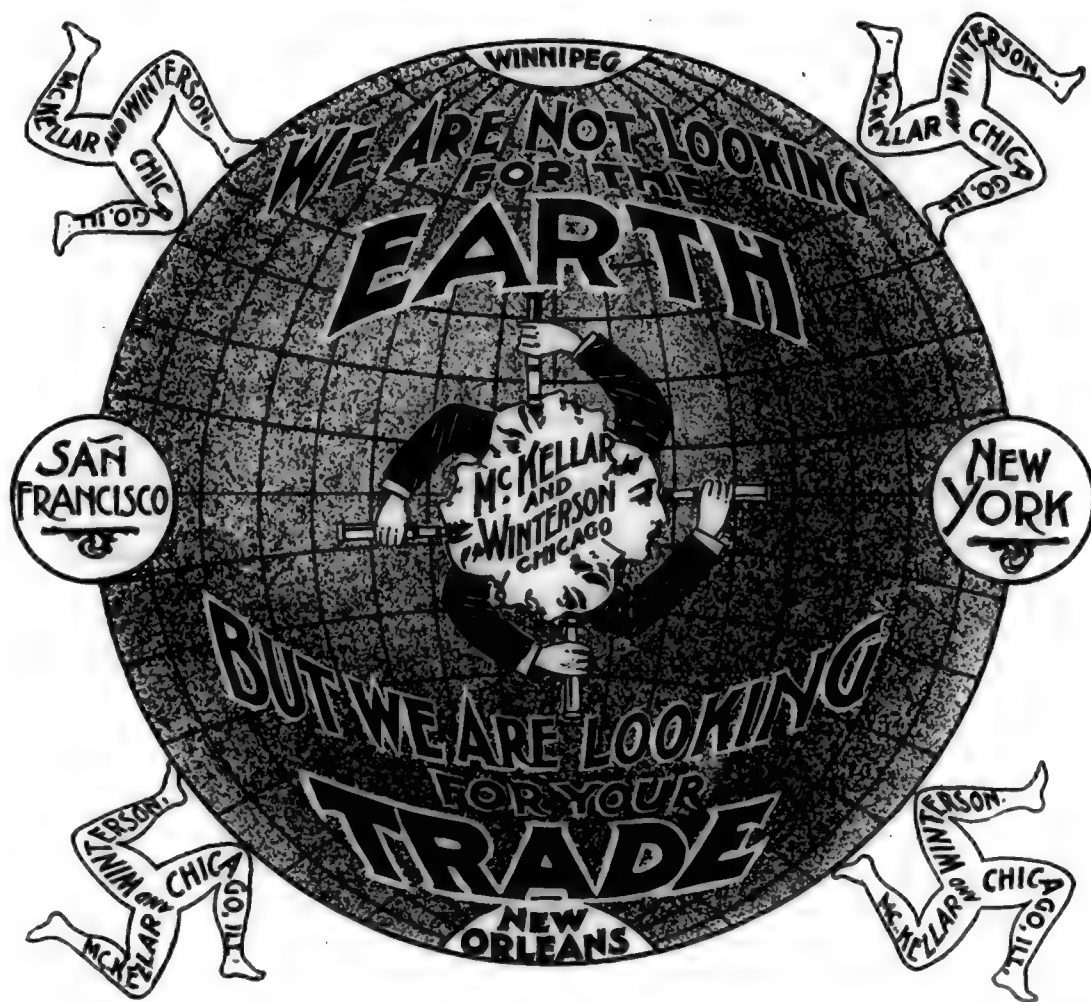
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ORDER EARLY**Our Prices as Low as any Dealer or Grower.**

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BLOOMING
PLANTS

LILIES

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BULB STOCK

BEAUTIES and
OTHER ROSES

CROCUS

DAFFODILS

ETC., ETC.

Don't
Forget
Us on**SUPPLIES**WE HAVE A FINE LOT OF NOVELTIES IN
Baskets, Plant Stands, Pot Covers, Silver Dishes,
Jardinieres, Etc., for Easter Trade.We Are
Headquarters**ORDER NOW****McKELLAR & WINTERSON,****45, 47, 49 Wabash Avenue, — CHICAGO.**

this neighborhood now and Jubilee does not succeed. Mr. Goddard hopes that G. H. Crane may fill a much needed want in scarlets. F. Mangold still holds first place as a crimson. Empress while fine is not free enough. Large quantities of rooted cuttings were noted in the propagating benches. Mr. Goddard already has a large call for them from both florists and private gardeners.

While carnations are the leading feature here a general florist's stock is grown in addition. A house of Campbell violets looked very healthy and completely covered with blooms. A large frame of Marie Louise promised to give an immense Easter crop. Everything on the place was in apple order and reflected the greatest credit on the popular proprietor. To meet the increasing demand of his customers Mr. Goddard will considerably increase his glass during the coming season. W. N. CRAIG.

A MILLIONAIRE FLORIST.

It is reported that Millionaire Hig-inbotham will very largely increase the glass surface for his Chicago Carnation Co. this season. Mr. Hig-inbotham must have received warm support from the trade during the past year to encourage him to put more of his capital into the greenhouse business, and if the enlarged capacity is supported with equal warmth by the trade Mr. Hig-inbotham may be encouraged to put up a block of 50 acres or so of glass and thus become a "Florist Prince" as well as a "Merchant Prince," which, will, of course, be very gratifying to the trade, though possibly a little rough on those who depend upon the business for their bread and butter, and who have no huge mercantile business from which to draw capital.

CATALOGUES RECEIVED.

McKellar & Winterson, Chicago, seeds, bulbs, supplies, cut flowers, etc.; Geo. Hancock & Son, Grand Haven, Mich., standard and novelties in carnations; Holton & Hunkel Co., Milwaukee, Wis., rose and carnation cuttings, pots, etc.; A. G. Prince & Co., Chicago, cut flowers and supplies; Livingston Seed Co., Columbus, O., seeds, plants, bulbs, etc.; W. Atlee Burpee & Co., Philadelphia, Scotch collie dogs and fancy poultry; G. Herbert Haszard, Charlottetown, P. E. Island, Canada, dahlias; E. I. Rawlings, Quakertown, Pa., seeds, plants and flowers; Thos. Meehan & Sons, Germantown, Pa., nursery and landscape engineers; American Jadoo Co., Philadelphia, Jadoo and sweet peas; Mrs. T. B. Shepherd, Ventura, Cal., plants, seeds, bulbs, palms, cacti, etc.; K. J. Kuyk, Hillegom, Holland, Dutch bulbs; Dammann & Co., San Giovanni a Teduccio, Italy, seeds and bulbs; Geo. Richardson, Lordstown, O., rare water lilies; Wm. H. Moon Co., Morrisville, Pa., nursery stock, roses, bulbs, etc.

Silver Fern Dishes, QUADRUPLE PLATE.



Dish, 8 inches in diameter, furnished with removable Porcelain Lining to insure perfect drainage.

Write for Prices.

CHAS. P. LINCOLN, 54-70 Arch St., Hartford, Conn.

EASTER, 1899, IS COMING!

Don't delay any longer to order your

LILY OF THE VALLEY, the cream of the market, Berlin pips, large bells, \$12.00 per 1000.
CRIMSON RAMBLER, extra fine plants, \$25.00 per 100.
TUB. ROOT. BEGONIA HYBRIDA, in four separate colors, bulbs about 1½ inches diameter, \$2.50 per 100, \$20.00 per 1000.
GLOXINIA HYBRIDA CRASSIFOLIA ERECTA, \$3.50 per 100, \$30.00 per 1000.
CLEMATIS, RHODODENDRONS, SPIRAEA, PAEONIES, etc., now on hand.

Terms to unknown correspondents, cash; otherwise, 60 days.

F. W. O. SCHMITZ, Jersey City, N. J.

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100,000 VERBENAS,

THE CHOICEST VARIETIES IN CULTIVATION....

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

No Rust or Mildew. Packed Light and Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

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Chrysanthemums

Our collection of Novelties for '99 is very complete, including

INDEPENDENCE, the earliest white,
MRS. FRED L. BUTTON, the early white from California,
 and **YELLOW IVORY**, as well as all others.

Also a full line of STANDARD VARIETIES.

For description see our catalogue, free on application.

NATHAN SMITH & SON,
 ADRIAN, MICH.

Dracaena Indivisa.

6-inch, pot grown \$20.00 and \$25.00 per 100
 5-inch, pot grown 15.00 and 18.00 "
 Rose Clothilde Soupert, 2½-inch... 3.00 "
 Vinca Variegata, 4 & 5-in. \$6.00 and 7.00 "
 Geraniums, S. A. Nutt, 2½-inch, \$25.00 per 1,000;
 \$2.50 per 100. Cash, please.

CARL HAGENBURGER, West Mentor, O.

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Brilliant Green and Bronze

Galax Leaves

CHAS. H. RICKSECKER, Linville, Mitchell Co. N. C.

Mention The Review when you write.

CLEMATIS. 2½ and 3-inch pots.

Per 100
 Lawsoniana, Sieboldi, lavender \$8.00
 Henryi, Mrs. Howard Wyse, white 6.00
 Duchess of Edinburgh, double white 7.00
 Lord Neville, President, Gipsy Queen, purple. 6.00
 Paniculata, small white 5.00

All the above are fine, well-established plants, with a growth of a foot or more, and are ready for shifting into larger pots.

100,000 H. P. Roses,

2½-inch pots, in the leading varieties, will be ready after April 15th. Good stock cheap. Send for prices.

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The Cottage Gardens,

C. W. WARD, QUEENS, L. I.
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WHOLESALE GROWERS
 FLORISTS' SPECIALTIES.

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CUT PRICES! CUT PRICES!

Special Low Price for Easter on Galax Leaves, Moss, Wild Smilax, Sand for Propagating, Laurel, Hardy Ferns, Palm Leaves, Cape Flowers, Palmettos. Get our prices at once.

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Buy Easter Flowers

DIRECT FROM THE GROWERS.

Bassett & Washburn, Wholesale Growers of Cut... and Dealers in Flowers

Greenhouses, HINSDALE, ILL.

Store 88 Wabash Ave., CHICAGO.

HARRISII LILIES 15,000 for Easter. This is only half our usual stock. The demand has been very heavy all winter and has caused a shortage for Easter. Our long experience in handling these lilies enable us to deliver them in the best condition. We guarantee their safe arrival in lots of 100. Price, 1st grade, \$15.00 per 100; 2d grade, \$10.00 per 100. Our lilies are all Bermuda, no Japanese. Bermuda Lilies are much the largest.

AM. BEAUTIES 50,000 plants to cut from. The dark weather has made Beauties scarce.

TEA ROSES BRIDES and BRIDESMAIDS; good flowers but off crop. METEORS and PERLES never were finer.

FANCY CARNATIONS 30,000 plants, all the extra fancy varieties.

COMMON CARNATIONS 30,000 plants, Scott, Portia, Daybreak, etc.

TULIPS An enormous stock. Yellow Prince, Lorraine, Pink Novelty, White, Red, Yellow and Red, and Double Pink.

DAFFODILS Double Von Sions, extra large flowers. Price 3 cents.

DUTCH HYACINTHS White, Light Blue and Pink. Price 4 cents.

ASPARAGUS Very fine long strings, limited quantity. Price 50 cents. Strings extra heavy, 12-ft., \$1.00.

SMILAX is very scarce. We shall have a limited quantity at \$2.50 to \$3.00 per dozen.

LILY OF THE VALLEY 10,000 choice flowers, fine foliage.

All the Above Stock is Our Own Growth.

Good Beauties, Roses and Carnations will be scarce on account of the stormy weather. Look out for pickled stock and place your orders direct with the grower. ❀ ❀ ❀ ❀ ❀ ❀ ❀ ❀

ROSE PLANTS.....

BRIDES.....
BRIDESMAIDS..... } \$3.50 per 100; \$30.00 per 1000.
METEORS.....

ROOTED CUTTINGS.....

BRIDES.....
BRIDESMAIDS..... } \$1.50 per 100; \$12.50 per 1000.
METEORS.....

ROOTED CARNATIONS.

	Per 100	Per 1000
Mary Wood.....	\$5.00	\$40.00
Flora Hill.....	1.50	12.50
Evelina.....	4.00	35.00
Painted Lady.....	4.00	35.00
Wm. Scott.....	1.00	7.50
Psyche.....	4.00	35.00
Armazindy and Pingree....	2.00	17.50

COLLECTIONS!

NATIONAL FLORISTS' BOARD OF TRADE,

CORNELIUS S. LODER, Sec'y, 271 Broadway, NEW YORK.

Publishers of Credit Lists.

Reports Furnished.

Correspondence Solicited.

TELEGRAPH CODE.

In telegraphing orders to any of the wholesale dealers in cut flowers use the following code:

Assume—Do not answer if cannot fill order.
Abrogate—In case you cannot fill order, telegraph at once.
Anticipate—Answer at once, stating whether you can or cannot fill order.
Ambition—If you can only partially fill order, do so, and reply, stating what.
Admiral—Order must be sent on train mentioned only.
Ambulance—Want all of order filled or none, and prompt answer back.
Adjacent—If cannot send on train mentioned, next one will do.
Affable—Send prepaid by baggage master, if no express messenger on train.
Decorate—If cannot send all on train mentioned, send all you can, and send balance on next train.
Admission—This order is a substitute for my regular order.
Dancing—If cannot fill order exactly as specified, you may substitute according to your best judgment.
Ancestor—This order is an addition to my regular order.
Durable—Colored flowers must not be substituted for white.
Affection—Fill if possible, even at extra expense.
Fabricate—Flowers ordered are to be re-shipped to a distance, therefore buds must be cut specially close.
Fortunate—Select extra stock and charge accordingly.
Devotion—For cheap work, and can use second-class flowers, if at reduced price.
Flattery—If price has advanced since last quotation, do not send goods, but telegraph.
Forgery—This order countermands all previous orders.
Formation—Add these items to the order which you already have, but in case first order is already shipped, cancel this addition.
Flamingo—We are in a bad pinch; send us something to help us out, even if of poor quality.
Flocking—Have sent mail order; if not yet received, send following at once, and cancel mail order when received.
Foraging—This order includes all items previously ordered and wanted for this date.
Superior—Can use something especially fine, and am willing to pay accordingly.
Skip—If you are out, buy the best you can; we accept risk of getting "pickled" stock.
Corporal—If cannot send on night train, morning train will do.

THE CODE BELOW WILL BE USED
IN ANSWERING YOU, WHEN
NECESSARY.

Elope—Cannot fill your order to-day. Stock is scarce. Have tried to buy at other houses for you.
Lecture—Our store was closed yesterday when your telegram came. Received it this morning. Will ship by first train to-day, unless countermanded at once.
Willing—Cannot ship on train mentioned. Will send on next train possible to-day.
Eclipse—Will send part of your order. Balance scarce. Cannot get it at any price to-day.
Artistic—Cannot fill order to-day, if you want order filled (same order) to-morrow, wire us at once.
Favorite—Stock very poor, none better to be had. Will ship unless countermanded by..... o'clock.
Fundament—Stock named in this telegram has been sent, and balance, unless countermanded by telegram, will be sent on.....

WE WOULD LIKE very much to have a complete and accurate list of the names and addresses of the florists of America and to this end will ask each subscriber to kindly send us an accurate list of those in the trade in his or her city or town. By complying with this request you will confer a great favor on the publishers.

A. L. VAUGHAN,

19-21 Randolph Street, - - - - CHICAGO.

WESTERN AGENT FOR

HAGEMANN & MEYER, OF PHILADELPHIA.

Bulbs and Azaleas.

REPRESENTING:

E. A. GRIMM & CO., HAMBURG — Lily of the Valley.

KRUYFF & CO., SASSENHEIM, HOLLAND — Dutch Bulbs.

CLARENCE PENNISTON, BERMUDA — Lilium Harrisii.

L. BREMOND FILS, OLLIOULES — Roman Hyacinths, etc.

Parties would do well to write for prices at once.

Mention The Review when you write.

DAHLIAS

By
the
Tens
of
Thou-
sands.



My prize winners carried off the highest National honors yet awarded the Dahlia—a diploma and gold medal at the Omaha Exposition. Get my catalogue before ordering elsewhere.
Box 382. W. W. WILMORE, Denver, Col.

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ANTON SCHULTHEIS, P. O. Box
College Point, Queens Borough, N. Y.
HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity

Come, see Ericas (Heather), also Full
and con- Line of Other Flowering Plants
vince yourself. Price List on Application.

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Asparagus Plumosus Nanus.

	Per 100.
1000 Asparagus Plumosus Nanus, 4-in. pots,	\$15.00
1000 " " " 5 " "	18.00
200 " " " 7 " "	25.00
800 " " " 8 " "	35.00

Asparagus Seed, home grown, \$1 per 100, \$9 per 1000
Write for prices on Carnation Cuttings.

W. F. Kasting, 495 Washington St. Buffalo, N. Y.
Mention The Review when you write.

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The Imperial Violet.

Number of plants in full bearing, 2,970
 No. of No. 1 Violets picked in October.....30,500
 " " " " November.....38,500
 " " " " December.....39,000
 " " " " January.....23,595
 " " " " February.....33,500

Average per plant of No. 1 blooms, almost 57

Isn't this a pretty good record? And for these I received from \$2.50 to \$1.00 per 100. Can you equal this? And the plants are still throwing as many flowers, if not more than ever.

I cannot begin to supply the demand for this superb violet; the way things look now, I shall not be able to supply the demand for rooted cuttings. If you get left, you will only blame yourself. My new book on Violet Culture goes with every order for cuttings.

The violet is the largest, most double, longest stemmed, color so dark as to look almost artificial; healthy; and as the record shows, a very free bloomer. The parent plant of this magnificent variety gave me 118 of the finest flowers you ever saw.

Price per 1,000..\$90.00 Per 100.....\$10.00
 per 500....45.00 Per dozen....1.50

Rooted Cuttings will be delivered as the weather will permit. Now ready, about 5,000. Address

W. L. MINOR, 588 Belmont St.,
BROCKTON, MASS.
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To arrive beginning of April --

Laelia Anceps, L. Anceps Alba,
and L. Autumnalis.

Lager & Hurrell, Growers and
Importers.... Summit, N. J.
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BENTHEY & CO.

→ Wholesale and Commission Florists ←

41 Randolph Street, CHICAGO.

Cut Flowers for Easter

TRY AND GIVE US YOUR ORDER AS EARLY AS POSSIBLE
AND AVOID BEING DISAPPOINTED.

Lilies, Harrisii and Longi- florum	per 100, \$12.00 to \$15.00	Valley	per 100, \$3.00 to \$5.00
Callas	" 10.00 to 12.00	Romans	" 2.00 to 4.00
American Beauties, long,	" 35.00 to 50.00	Dutch Hyacinths	" 4.00 to 5.00
American Beauties medium,	" 15.00 to 30.00	Daffodils	" 3.00 to 4.00
Maids, Brides, Meteor	" 6.00 to 8.00	Marguerites	" 1.00
Perles	" 4.00 to 6.00	Forget-Me-Not	" 1.00
Carnations, long	" 2.00 to 4.00	Mignonette	" 1.00 to 3.00
Carnations, fancy	" 4.00 to 6.00	Smilax	" 15.00 to 18.00
Violets, double	" 1.00 to 1.25	Adiantum	" 1.00
Violets, single	" .50 to .75	Common Ferns	" .25

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Poinsettia Pulcherrima...

Strong, Dormant Canes,
from 6-inch pots.
Can be shipped with little cost.

If started growing shortly, will give
you any amount of the right
kind of Cuttings..... } **\$3.00**
per doz.

WILLIAM SCOTT,
Main and Balcom Streets,

BUFFALO, N. Y.

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ROOTED CUTTINGS

Coleus, mixed colors 60c per 100
Dreer's Double Petunias 80c "
Dreer's Princess Pauline Ageratum 80c "
Cyclamen pers. giant. 2½-inch pots... 3.00 "

CHRIST. WINTERICH, Defiance, O.

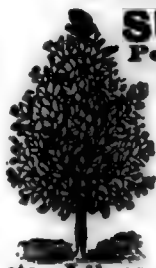
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DORMANT CANNAS.

Standard varieties, such as Bouvier, Marquant, Henderson, Crozy, Charlotte, Carnot, Childsii, F. R. Pierson, and the two best foliage Cannas on the market—Grandiflora Rouge and Robusta, \$2.00 per 100, \$10.00 per 1000. Austria, Italia and Thomas Griffin, \$2.50 per 100, \$20.00 per 1000. Cash with order. Address all orders to

ROWEHL & GRANZ,
Hicksville, L. I., N. Y.

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SURPLUS STOCK AT SURPLUS PRICES.

Poplars—Carolina, 6 to 8, 8 to 10, 10 to 12 and 12 to 15 feet, Golden, Silver and Lombardy same sizes. Mycamore—European, 6 to 8, 8 to 10, and 10 to 12 feet. Magnolias—Acuminata, 4 to 6, 6 to 8 and 8 to 10 feet; Tripetala, Soulangiana, and Speciosa 1½ to 2 and 2 to 3 feet, six other sorts 1½ to 2 feet. Maples—Immense stock, leading sorts, all sizes, 6 to 25 feet. Mountain Ash—European and Oak Leaved. Willows—Laurel Leaf, Canescens, Rosemary, Etc.
In Weeping Trees, we offer immense lot of Willows. Kilmarnock, New American, Wisconsin and Babylonica. Mulberry—Teas Weeping, the finest lot we ever grew. Mt. Ash, Oak Leaved Birch, Etc.
In Vines and Shrubs—Ampelopsis, Veltchi, strong two year field grown. Clematis, Jackmanii, Henryi, Mad. Ed. Andre, etc. Berberis—Thunbergii and Purpurea. Elder—Golden. Syringa—Golden. Spiraea—Van Houtte, Anthony Waterer, Thunbergii, etc. Lilacs—New Double Flowered in 8 varieties. Altheas, Deutzias, Snowballs, Syringas, Wiegels, Etc.. in great supply.
Roses—two years field grown, Hybrid Perpetual, Moss, Climbers, Wichuriana and Wichuriana Hybrids, Rugosa, and Rugosa Hybrids and Multiflora Japonica. Azaleas—Mollis and Pontica, fine bushy well-budded plants.
Forty-four Greenhouses well filled with Roses, Palms, Ferns, Ficus, Chinese Azaleas, Araucarias, Geraniums, Etc. Correspondence solicited. Catalogues and price lists free.

THE STORRS & HARRISON CO., Box 545, Painesville, O.

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Palms and Ferns

The Largest Stock of
Plants in the West.

Send us your name
and we will keep you
posted when we have anything special to offer.

GEO. WITTBOLD, 1708
N. Halsted St. CHICAGO.

XXX STOCK

GERANIUMS. The very choicest named, single and double varieties, including novelties. The finest collection ever offered. Very extra strong, well branched plants, out of 3¼-in. pots, \$4.00 per 100.

HELIOTROPES. 3 best named varieties, extra strong and fine, ready for 3¼ or 4-in. pots, \$3.00 a 100.

FUCHSIAS. Best single and double named varieties, and White Giant, the finest double white Fuchsia grown, ready for 3¼-in. pots, \$2.50 per 100.

No finer stock to be had. Extras added. Cash.

JOHN F. RUFF, - Shiremanstown, Pa.

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COLEUS VERSCHAFFELTII

2-inch, \$2 per 100. Per 100

VINCA VAR., 2-in..... \$2.00
AGERATUM, Princess Pauline, 2-in.. 2.50
BEGONIA, Alba Pieta, 2-in..... 1.50
ABUTILON, Souv. de Bonn, 2-in..... 2.50
FUCHSIAS, Jupiter and Trailing } 2.00
Queen, fine, 2-in..... }

SPECIAL:

CYPERUS ALTERNIFOLIUS, 4-in. will
close out lot of 175 fine plants for **\$6.00**
SMILAX, from flats, 50c a 100, \$4.00 a 1000
Satisfaction Guaranteed. Cash with order.

GEO. L. MILLER, Newark, Ohio.

Mention The Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

STORING FLOWERS.

There is something better than an ice box in which to keep flowers, and that is a room cooled by the apparatus used in cold storage plants. Mr. Samuel S. Pennock, of Philadelphia, is probably the first wholesale florist in the country to put in such a plant, and he is much pleased with the result of the experiment.

His room has two compartments, each 10x11 and 11 feet high, inside measure. The two compartments are connected by a door and there is an outside door to each one. The reason the room is so divided is that while the dryer air of a room cooled by machinery is very much better for carnations, it is not so desirable for roses and the best conditions for the roses are secured by syringing them as they stand in the pots or buckets.

The dry compartment keeps carnations in condition much longer than in an ice cooled room, which is an important consideration, and there are other flowers, such as bulbous stuff and orchids, that also keep much better in this room. This is especially noticeable in the case of lily of the valley, which is apt to damp off in a moist atmosphere. Smilax, adiantum ferns, etc., go in the rose compartment.

All the space in each room is devoted to storage, there being no ice chamber to take up room, the cooling pipes overhead taking up no room that would be available for anything else. There are numerous shelves upon which the shorter stemmed flowers may be placed, and the interior is well lighted by incandescent electric lamps.

The machinery for cooling the room is placed in the basement and cost about \$1,500, including an auxiliary tank in one of the rooms that makes about a hundred pounds of ice a day to use in packing flowers for shipment. The power is electricity and is taken from the current that supplies light. Coming through the same meter as the current for his light, Mr. Pennock is unable to say just how much the motor uses, but he is satisfied so far that it is costing him less than ice, to say nothing of the better condition in which he is able to keep his stock and the freedom from the nuisance of the frequent refilling of an ice chamber.

ORCAS, WASH.—Geo. Gibbs is making preparations to plant out half a million bulbs next fall. Snowdrops commenced to bloom here Jan. 20, were cut down Feb. 1 to 5, but came right on in bloom again in five days, not hurt. Crocus can be cut now by the thousand. Hyacinth spikes are three inches high and the earliest varieties of narcissus are budded for bloom.

TOLEDO, O.—H. M. Seales, formerly grower to the Brookwood Floral Co., of Atlanta, Ga., has taken a similar position with Geo. A. Heinl, of this city.

Special Offer of HYBRID CLEMATIS



We have again this season a fine stock of good, strong plants, two years old, own roots.
Boskoop Seedling. Extra large lavender.
Duchess of Edinburgh. Double pure white.
Fairy Queen. Pale flesh with a pink bar.
Gipsy Queen. One of the finest rich purple varieties.
Henryl. Finest large single white.
Jackmannl. The best known and most popular variety. Color: dark, rich, royal purple.
Madam Baron Veillard. Light rose, shaded lilac.
Mme. Van Houtte. Pure white; extra fine.

Miss Bateman. White with chocolate-red anthers.
Standishl. Light Blue.
The Gem. Deep lavender blue.
The President. Bright bluish purple.

\$3.75 per dozen; \$30.00 per 100.

NEW RED CLEMATIS.

M. Koster. A bright rosy carmine, not as rich in color as Mme. Edouard Andre, but possessing the advantage over that beautiful variety of being a much stronger, freer grower, and also of being remarkably free in flowering, while Mme. Edouard Andre, though richer and brighter in color, lacks in constitution, and makes but a light growth. We have seen M. Koster under ordinary nursery culture, a height of 6 to 8 feet, in two-year-old plants, with hundreds of flowers open at one time. 85 cents each; \$4.00 per dozen.

CLEMATIS CRISPA. CLEMATIS COCCINEA.

We have a fine stock of fine two-year-old plants of the above two varieties at \$1.00 per dozen; \$7.00 per 100.

CLEMATIS FLAMMULA.

Strong two-year-old plants of this old favorite. \$1.25 per dozen; \$10.00 per 100.

Henry A. Dreer, 714 Chestnut St., Philadelphia, Pa.

Mention the Review when you write.

And Still They Come

SOUTH SIDE FLORAL CO., Springfield, Ill.
 Gents:—I saw your 5000 Verbenas, just received by Brittenbaugh Bros. I want 2000 just like them. Please send at once C. O. D. Yours resp'y,
SAMUEL GASS, Allegheny, Pa.

VERBENAS—Strong rooted cuttings, 30 grand varieties, 60c per 100, \$5.00 per 1000; 5000, \$22.00.
PETUNIAS—Dreer's latest set of double fringed, true to name, \$1.00 per 100.
SMILAX—Strong, bushy seedlings, ready for pots, 50c per 100, \$1.00 per 1000. Express prepaid on the preceding stock.
ROSE and CARNATION Cuttings now ready. Clean healthy stock, well rooted, at lowest prices quoted. Send for our lists and save money. Terms cash with order.

SOUTH SIDE FLORAL CO.
SPRINGFIELD, ILL.

Mention The Review when you write.

1840 Old Colony Nurseries, 1899

HARDY SHRUBS, TREES, VINES, EVERGREENS and PERENNIALS.

A large and fine stock of well rooted plants, grown in a sandy loam. Good plants, best sizes for planting, very cheap.

Trade list free on application.

T. R. WATSON, Plymouth, Mass.

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Mention The Florists' Review when writing advertisers.

Live Sphagnum Moss

For Orchids, etc., \$1.25 per bbl.

Sphagnum Moss

First quality, \$1.00 per bale; 10 bales, \$8.00.

Z. K. JEWETT & CO., SPARTA, WIS.

Mention the Review when you write.

SMILAX. NICE THIRTY PLANTS from thumb pots.

If shifted now will make fine stock for Summer planting. \$1.50 per hundred.

NATHAN SMITH & SON,
ADRIAN, MICH.

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INSURE AGAINST THE FIRE Florists' Mutual Fire Insurance Ass'n.

ADDRESS W. J. VESEY, Sec'y,
FORT WAYNE, IND.

Mention The Review when you write.

...EASTER OFFERING...

NO LIMIT TO FINE STOCK

Lilies
Tulips all colors
Garnations
Violets
Roses And All Seasonable Stock

...EASTER PRICES...

Prices Take Effect
March 27.

Per 100

American Beauties..	\$8.00 to \$40.00
Meteors	5.00 to 8.00
Bridesmaid	5.00 to 8.00
Brides	5.00 to 8.00
Kaiserin	5.00 to 8.00
Perles	4.00 to 6.00
Carnations, common	2.00 to 3.00
Carnations, fancy...	3.00 to 5.00
Violets .....	.75 to 1.00
Valley, Romans	3.00 to 4.00
Harrisii	10.00 to 15.00
Callas	10.00 to 12.50
Daffodils	2.00 to 3.00
Tulips	2.00 to 3.00
Freesia	2.00 to 4.00
Paper White	3.00 to 4.00
Smilax	15.00 to 20.00
Ferns, per 1000, \$2.00	..... .25
Asparagus	50.00 to 65.00

SEND us your orders and they will be filled in the right way, at the right time, and at the right prices. Cut this adv. out and have it handy when you are making up your order. * * * * *

W. E. LYNCH, 19-21 Randolph Street, **CHICAGO, ILL.**

Mention The Review when you write.

BABY PRIMROSE.



The newest thing for Easter Blooming.

Flowers in thumb pots; grows rapidly, 6-in. pot, carry 50 to 100 sprays of rosy flowers, 12 to 18 in. long; lasts 4 weeks when cut and wholesale at \$2 per 100; grows finely in cool house; perpetual bloomer. 12 for \$1.50, \$10 per 100, express prepaid.

New Fragrant \$1000 CALLA.

Very dwarf and free bloomer, has the fragrance of violets and lilies, \$1 and \$2 per 12, \$6 and \$12 per 100, mailed.

Asparagus Sprengeri.

2-in., 24 for \$1.50, mailed; 3 1/2-in., 24 for \$2.50, mailed; \$7 per 100, express.

A. BLANC & CO., Philadelphia.

Mention The Review when you write.

OAK PARK NURSERIES.

SURPLUS LIST

5000 Carolina Poplar	from 9 to 15 feet
2000 Maple-Norway	" 8 to 10 "
2000 "	" 10 to 12 "
2000 Maple-Silver	" 9 to 10 "
2000 "	" 10 to 12 "
2000 "	" 12 to 15 "
100 Dogwood-White	" 4 to 5 "
1000 Arbor vitæ-American...	" 15 to 20 inches
2000 "	" 2 to 3 feet
1000 "	" 3 to 4 "
1000 "	" 4 to 6 "
1000 Norway Spruce	" 15 to 20 inches
500 "	" 8 to 4 feet
500 "	" 4 to 6 "

Address **M. F. TIGER, PATCHOGUE, L. I., N. Y.**

Mention the Review when you write.

Bridesmaid excelled **MAID OF HONOR,** formerly called **MISS CLARA BARTON**

Plants in 2 1/2-inch pots NOW READY. Price — per 100, \$15.00; 50 at 100 rate. per 1000, \$125.00; 250 at 1000 rate.

HOFFMEISTER FLORAL CO., 813 Elm St. CINCINNATI, O.

For sale also by

E. G. HILL & CO., Richmond, Ind., and F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

Mention The Review when you write.

3000 CANNAS!

EXTRA STRONG BULBS, in the following varieties;

FLORENCE VAUGHAN MME. CROZY
CHAS. HENDERSON QUEEN CHARLOTTE
ELDORADO AUSTRIA
ITALIA — and — BURBANK

\$2.50 per 100 or \$20.00 per 1000. Cash.

W. A. WETTLIN
HORNELLVILLE, N. Y.

Mention The Review when you write.

BRENDEL LETTER CO.

Florist Letters in Purple, Pink and White, 1 1/2 and 2-in., per 100, \$1.00

Use our Letters once and you will always use them. We have had 20 years' experience in the letter business, and if you want to lead in design work get up-to-date letters in large or small quantities.

S. C. BRENDEL, Mgr., West Newton, Pa.

Mention The Review when you write.



Our Easter Offering is what every Florist should have.

Send \$5 and we will send you 2000 No. 1 Hardy Cut Ferns; 2000 Galax Leaves, all bronze or assorted, and 100 Leucothoe Sprays. Order early and be sure of this bargain. Our Laurel Festooning is unexcelled. Write for prices on all hardy supplies.

CROWL FERN CO., 27 Beacon St., BOSTON, MASS.

Mention The Review when you write.

Rooted Runners from **Marie Louise Violets,**

which have borne 100 flowers per plant this last winter. From now until May 1st will sell good Rooted Cuttings at \$5.00 per 1000. Come and see for yourselves, dear friends, and I will prove to you that my stock is clean, free from disease and first class in every respect.

C. LAWRTZEN, Money refunded if not just as I say. Cash with order.
RHINEBECK, N. Y.

Mention The Review when you write.

WOOD LICE OR SOW BUGS.

These interesting little creatures are neither lice, bugs nor insects, but crustaceans, and are closely related to the crabs, lobsters, etc. However, it is not our purpose to deal with them from a scientific standpoint, but only as vermin. What we want to know is how to get rid of them cheaply and effectually. We all know something about their habits, to our sorrow. They feed on various fungi or molds and therefore seek dark places where such abound. They like mushrooms, the younger and more tender the better, but do not object to green vegetation, young pansies or verbenas, for instance, when just coming into the seed leaf. The mischief they do is incalculable and many a seedsman is blamed for some fine and rare seeds not coming up when they have been eaten by these pests before they were fairly above ground. They will swarm over a seed bed at night and in the daytime be snugly stowed away in some safe hiding place in delightful anticipation of the next nightly raid on the seed bed.

Make some thin narrow boxes of 1/4-inch stuff, or even thinner. Make them about two inches wide, inside measurement, and as long as convenient, say, six to twelve inches; leave one narrow side open for them to crawl in at. Before nailing on the top board mix up a paste of scalded wheaten bran with a small quantity of flour to give it consistency, add a little sugar and arsenic or paris green, put a little of the same all along the back of the box, taking care that it firmly adheres, as it is bad medicine to have lying around, lay the boxes about in places where the bugs congregate. Like all evildoers, they like darkness rather than light, so these boxes can be placed out of sight in the day and be doing good work, and at night be put where the sow bugs are wont to assemble. They will not stay in the boxes after taking their medicine, but will seek mother earth and be conspicuous by their absence. R.

"THE Seeding and Preservation of Golf Links," is the title of a neat booklet issued by Messrs. J. M. Thorburn & Co., New York. It should prove of the greatest value to all Golf Clubs, being written by one who is evidently thoroughly familiar with the requirements of golf as well as with all turf-forming grasses. Seventeen different grasses suitable for links are described and their adaptability for various situations carefully noted. In addition there are chapters on mixing grass seeds, sowing, weeds, fertilizers, etc.

JEFFERSONVILLE, IND. — Joseph Molck has two houses of carnations which are in fine condition and that will yield an excellent crop for Easter. He will build two more houses for carnations this summer, each 16x150.

JADOO FIBRE..... and JADOO LIQUID.

The repeat orders that we are daily receiving from GROWERS, FLORISTS and SEEDSMEN are very gratifying and most convincing as to the commercial value of our products.

We want every GROWER and FLORIST to try JADOO FIBRE and JADOO LIQUID, and form his opinion as to their merits from his own experience.

Geraniums grown in JADOO FIBRE and soil were First Prize Winners at the Pennsylvania Horticultural Society's Exhibition in November, 1898.

Gloxinias. — JADOO FIBRE will grow better Gloxinias than can be grown in any known compost.

Our new catalogues will be sent on application.

THE AMERICAN JADOO CO.

817 Fairmount Ave.

PHILADELPHIA, PA.

ALL PROMINENT Seedsmen and Dealers sell Jadoo Fibre and Jadoo Liquid.

Mention The Review when you write.

The Royal Tottenham Nurseries, Ltd.,

Late of A. M. C. JONGKINDT CONINCK.

Managing Director, A. M. C. VAN DER ELST.

DEDEMSVAART, nr Zwolle, NETHERLANDS.

RARE AND NEW HARDY PERENNIALS.

	Per 100		Per 100
Anemone Sylvestris, fl. pl., young plants in pots.....	\$ 9.00	Nymphaea Laydekerii purpurata.....	\$200.00
Arnebia Echioides.....	10.00	" rosea.....	180.00
Chrysanthemum max. filiforme.....	7.50	" Aurora, each, \$7.50.....	
Convallaria maj., var. Fortin.....	1.25	" Robinsoniana, each, \$5.00.....	
Crocasmia Aurea Imperialis.....	11.00	Oreocome Candolli.....	20.00
Helenium Autumnale Superbum.....	6.00	Papaver Orient Silver Queen.....	10.00
Hemerocallis Aurantiaca Major (cultivated).....	27.50	Petasites Jap. Giganteus.....	20.00
Heuchera Alba.....	7.00	Physalis Franchetti.....	2.25
Heris Sempervirens Little Gem.....	8.00	Sagittaria Jap. fl. pl.....	20.00
Incarvillea Delavayi.....	40.00	Spiraea Aruncus var. Kneiffi.....	37.50
" Olga.....	5.00	Viola Odor, Princess of Wales.....	4.00

GUNNERA SCABRA, leaves 6 to 7 ft. across, strong plants, \$15 to \$20 per 100.
ALPINE RHODODENDRONS, strong plants, \$9.00 per 100.

Wholesale catalogue of Hardy Perennials, Conifers, Rare Aquatics, etc., may be had free on application. List of Narcissus in April.

Mention The Review when you write.

F. & F. NURSERIES, SPRINGFIELD, NEW JERSEY

Wholesale Growers TREES and PLANTS In Full Assortment.TRADE CATALOGUE FREE.

Mention The Review when you write.

Fine Perles and Wootons

In 2-in. pots, as well as Beauties, Maids, Brides, Meteors, La France and Kaiserin — now ready. Send 50 cts. or \$1.00 for samples of what you want and prices.

Carnations out of flats ready now. Can furnish Rooted Cuttings of all Roses except La France and Kaiserin. Write **GEO. A. KUHL,**

Long Distance Phone 14. **PEKIN, ILL.**

Mention The Review when you write.

RED! RED! RED! STANDARD FLOWER POTS, Well Burned and Porous.

CASH WITH ORDER.			
1 3/4-inch, per 100..	\$.25	3 1/2-inch, per 100..	\$.80
2 " " " " " "	.30	4 " " " " " "	.75
2 1/2 " " " " " "	.35	5 " " " " " "	1.20
3 " " " " " "	.45	6 " " " " " "	2.00

HARRISON POTTERY, Harrison, Ohio.

Mention The Review when you write.

OUR TRADE LIST

MARCH, 1899.

CARNATION CUTTINGS.

	Per 100
ARGYLE, fine dark pink.....	\$3.00
EVELINA, best paying white.....	3.00
EMPRESS, dark red.....	3.00
GOLD NUGGET, Yellow.....	4.00
PAINTED LADY.....	2.00
MARY WOOD, white.....	3.00
PSYCHE, variegated.....	2.00
FLORA HILL, white.....	1.50
DAYBREAK, shell pink.....	1.50
C. A. DANA, light pink.....	1.50
TRIUMPH, the big pink.....	2.00
JUBILEE, scarlet.....	1.50
MAYOR PINGREE, big cream.....	1.50
ARMANDY, variegated.....	1.50
VICTOR, pink.....	2.00
JOHN YOUNG.....	4.00
NEW YORK.....	4.00
MRS. JAS. DEAN.....	4.00
MRS. FRANCES JOOST.....	3.50

Five cuttings at 100 rate.

PLANTS—Strong, 2 1-4 inch.

	Per 100
NEW COLEUS BROWNII, a good bedder.....	\$5.00
VELVET PLANT, a big seller.....	3.00
GERANIUM Mad. Sallerol.....	2.00
" Ivy mixed.....	2.00
FEVERFEW, Little Gem.....	2.00
SOUTHERN THYME.....	2.00
IRESINE, red and yellow for Canna border.....	2.00
ABUTILON, choice mixed.....	2.00
SMILAX.....	1.00
" from flats.....	.50
HELIOTROPE, mixed.....	2.00
BEGONIA, choice mixed.....	2.00
" Erfordii.....	2.00
" Sandersonii.....	2.00
" Hybrida.....	2.00
MESEMBRYANTHEMUM ERECTUM.....	3.00
NEW YELLOW MARGUERITE.....	2.00
CHRYSANTHEMUMS, our selection.....	2.00

Five plants at 100 rate. Spot Cash.

NEW SEEDS.

	1/2 oz.	1 oz.
Lettuce—Grand Rapids.....	.05	.10
Raddish—Turnip and Lady Finger.....	.05	.10
Tomato—Dwarf Champion and Queen.....	.05	.10
Beet—Early Turnip and Long D. Blood.....	.05	.10
Watermelon—Sweet Heart.....	.05	.10
Pumpkin—New England Pie.....	.05	.10
Squash—Crookneck and Summer.....	.05	.10
Cucumber—Long Green and Chicago.....	.05	.10
Spinach—English.....	.05	.10
Cabbage—Early Wakefield, Flat.....	.10	.20
" Dutch, Stumps and Drumhead.....	.10	.20
" Surehead and Red Pickling.....	.10	.20
Cress.....	.05	.10
Carrots—Danvers and Short Horn.....	.05	.10
" White Horse.....	.05	.10
Parsley.....	.05	.10
Okra.....	.05	.10
Leeks and Kohl Rabi.....	.05	.10
Sage—English.....	.10	.20
Celery—White Plume and Pink Plume.....	.10	.20
Parsnip—Hollow Crown.....	.05	.10
Cucumber—English Forcing.....	.25	.50

NEW FLOWER SEEDS.

	1/2 oz.	1 oz.
Pansies—Mitling's Giant Flowering.....	\$1.00	\$1.00
" Yellow, White, Dark Purple, and Sky Blue.....	1.00	4.00
Mammoth Verbenas.....	1.00	4.00
Asters—Perfection, White, Pink.....	1.00	4.00
" Blue, and Mixed.....	.10	.10
Feverfew—Golden Feather.....	.10	.10
Daisies—Double White and Pink.....	.05	1.00
Mignonette.....	.05	1.00
Sweet William, White.....	.10	.10
Primula Obconica.....	.10	.10
Primula—every variety you want.....	.10	.10

No price list sent out this Spring. We only have for sale what is in this adv.

MORRIS FLORAL CO., Morris, Ill.

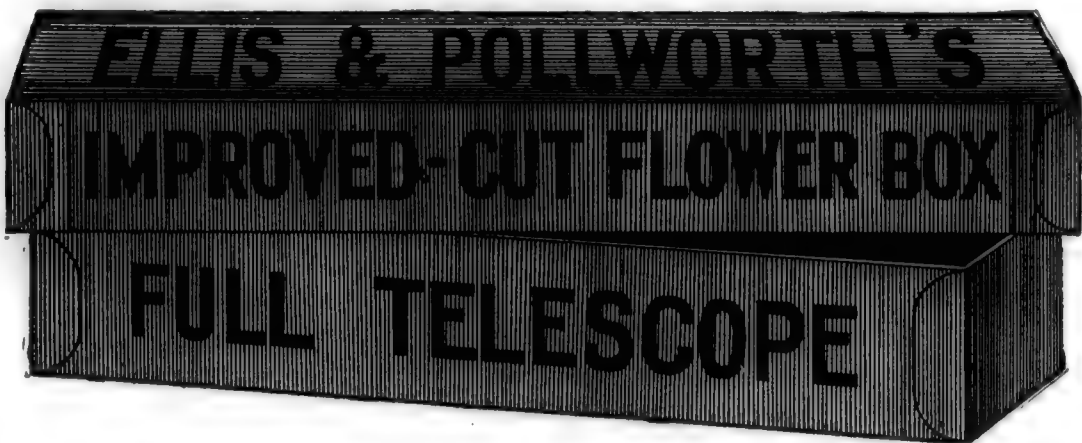
Mention The Review when you write.

BERRY PLANTS

at Reduced Wholesale Prices. Write at once for free list.

A. B. KATKAMIER, Farmington, N. Y.

Mention The Review when you write.



Our Improved Cut Flower Box is the best folding box on the market. Being full telescope and with improved corner lock makes it firm and strong for shipping purposes. It is finished in white and neat in appearance. We print 500 or over free of charge with one color ink.

Proofs of printing and Cuts on application.

Note Low Prices for this Improved and Superior Box.

No.	L	W	D	Per 100	No.	L	W	D	Per 100
1	7	5	3	\$1 30	8	18	6	3 1/2	\$2 70
2	9	5	3	1 45	9	21	6	3 1/2	3 10
3	12	5	3	1 60	10	18	8	4	3 30
4	15	5	3	1 90	11	21	8	4	3 60
5	18	5	3	2 10	12	24	8	4	3 90
6	12	6	3 1/2	2 00	13	28	8	4	5 00
7	15	6	3 1/2	2 50	14	24	5	3 1/2	3 75

ORDER YOUR EASTER SUPPLY NOW.

Size and prices on design boxes on application.

Ellis & Pollworth, Milwaukee, Wis.

Mention The Review when you write.

Moon's Trees Grow.

15,000 Oaks, 3 to 8 ft., assorted varieties, finely rooted.
100,000 Maples, 8 to 16 ft. Sugar, Norway, Sycamore and Silver Leaved, Straight and fine, special quotations.

BEECH, European and Purple Leaved; BIRCH, Cut Leaved Weeping, White and Yellow; ELMS, ASH, LINDENS, HORSECHESTNUTS, MAGNOLIAS and WILLOWS. In fact an immense stock of choice DECIDUOUS TREES. Send list of your wants for estimate, or call and see our stock.

Trade Lists, also 40-page Descriptive Catalogues free on application.

Only sixty miles from New York City.

Only thirty miles from Philadelphia.

THE WM. H. MOON CO. - - - MORRISVILLE, PA.

Mention Florists' Review when you write.

THE GENEVA NURSERIES, Established in 1846.

ROSES, CLEMATIS, RHODODENDRONS.

Cut L. Birch, Norway and Schwedleri Maples, Elms, Walnuts, Horse Chestnuts, Lindens, Magnolias, Carolina and Golden Poplars, Evergreens, Ampelopsis Veitchii, Honeysuckles, Symphoricarpus, Spiraea Thunbergi and Van Houtte, Wistarias, Syringas, Dahlias, Paeonies,

FRUIT TREES AND SMALL FRUITS.

Illustrated Catalogue free.

Correspondence solicited.

W. & T. SMITH CO., Geneva, N. Y.

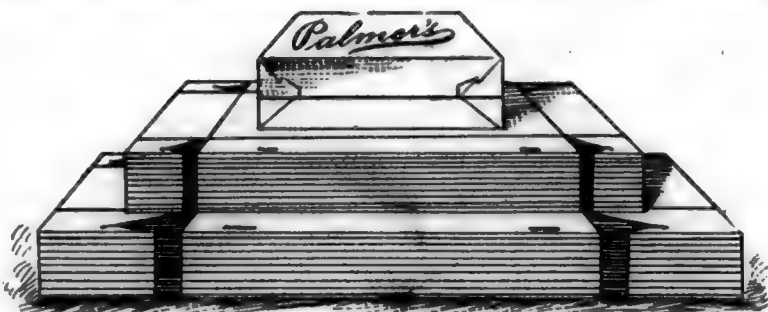
Mention The Review when you write.

...EVERGREEN BARGAINS...

I have just added 3,000,000 to my already immense stock by the purchase of the entire stock of the Elgin Nurseries. My patrons may share in the benefits. 2,000,000 Norway Spruce, all sizes; over 1,000,000 of the beautiful Colorado Conifers; 2,000,000 Am. Arbor Vits; 300,000 transplanted Hemlocks, superior quality; over 1,000,000 each of White and Scotch Pine, in fact everything in the line of hardy evergreens; 60,000 extra fine Black Walnut, 2 to 3 ft. Write for Prices and Surplus List, otherwise you may receive only my Retail Catalogue.

D. HILL, Evergreen Specialist, DUNDEE, ILL.

Mention The Review when you write.



A little pile of boxes and lids lying out flat with one made up.

A SUBSTANTIAL & ATTRACTIVE BOX AT A LOW PRICE

Our Illustrated Catalogue for the asking.

"STAR" Cut Flower Boxes.

THREE HIGHEST AWARDS FOR
SUPERIORITY.GOOD ENOUGH TO WIN PREMIUMS
GOOD ENOUGH TO USE.EDWARDS & DOCKER,
MANUFACTURERS.16 and 18 N. 5th St. and
501 Commerce St.

...Philadelphia, U. S. A.

Mention The Review when you write.

PITTSBURG.

Notes.

April 6th, 1899, was the date set for the club's reception. It has been suggested that in connection with this social function a flower show be held.

A very effective grouping of azaleas, cinerarias and primulas can be seen at the Allegheny Park Conservatory.

An interesting article "Botanical Beauty Spots of Jamaica," by Wm. Falconer, superintendent of Schenley Park, this city, appears in last Sunday's Pittsburgh Dispatch.

T. P. LANGHANS.

WASHING POTS.

Dirty pots can be washed quickly and easily by those who heat by steam. Carry a half-inch steam jet to the bottom of a large tub, fill the tub with rows of pots in courses till the tub is full, fill with water till pots are covered, then turn on the steam and keep on till pots are well boiled. After this drain off some of the water, replacing with cold water till comfortable for the hands, when by the use of a rough cloth the dirt can be washed off by the first rub; I timed myself on 500 2-inch pots and cleaned them as good as new in 40 minutes.

G. L. GRAHAM.

Bradford, Pa.

GLASS TRUST AGAIN.

Another attempt is being made to put the window glass trust on its feet again. It is said that options have been secured on nearly all of the large plants and that a gigantic combine with a capital stock of \$25,000,000 is to be formed and that it will be chartered in New Jersey. It is predicted that within sixty days the trust will be in operation. If this materializes the price of glass will probably be given another boost.

Galax Leaves and Leucothoe Sprays ...FOR EASTER...

Galax Leaf.
Much reduced.

Introduced by HARLAN P. KELSEY.

Cheap stock, poorly packed and of very inferior grade is being offered by certain dealers and wholesalers.

The finest stock of firm, bright leaves, highly colored and packed to keep is only offered by the introducer and by wholesalers who are supplied by him. Don't make the mistake of buying ordinary, poor stuff to carry you through Easter simply because it's cheap, and be disappointed thereby.

PRICES

Galax Leaves.....\$1.00 per thousand
(Less than a case, \$1.25 per 1000.)

Leucothoe Sprays, \$1.00 per hundred..... 8.00 "

Packed in Original Cases as follows:

Case A. 5,000 asstd. sizes and colors. Case C. 10,000 Double Case A.
" B. 5,000 same as "A" with 200 Sprays. " L. 500 Leucothoe Sprays.

ORDER BY MAIL OR WIRE.

Address the introducer,

HARLAN P. KELSEY, 1106 Tremont Bldg., BOSTON, MASS.

Mention The Review when you write.

50,000 Rooted Cuttings

	Per 100
Begonia Incarnata Gigantea.....	\$2.00
" Rex, mixed, Mrs. Pollock.....	2.00
" Rex, 30 named varieties.....	4.00
Coleus, 50 varieties.....	1.00
" mixed.....	\$5.00 per 1,000..... .60
" separate colors, 6.00.....	.75
Ageratum, Geraniums, mixed.....	1.00
Geraniums, separate kinds.....	1.50
" bronze, lemon verbenas.....	1.50
" silver leaf, rose scented.....	1.50
" Mme. Sallerii, Vinca var.....	1.25
" Happy Thought.....	3.00
" Freak of Nature.....	3.00
Impatiens Sultana, assorted.....	2.00
Pelargoniums, assorted, named.....	4.00

POTTED PLANTS.

Begonia Incarnata Gigantea.....	2½-in. 4.00
" Rex, mixed.....	4.00
" Rex, 30 named varieties.....	6.00
Cinerarias, best strains.....	8.00
Asparagus Plumosa Sprengeri.....	6.00
Impatiens Sultana.....	8.00
Geraniums, Silver Leaf.....	4.00
Lemon Verbena.....	4.00
Forget-me-not, winter flowering.....	3.00
Vincas Var., 2-inch, 3-inch, extra.....	\$2.00 to 4.00

Write for prices on other stock or for large quantities. Terms Cash or C. O. D.

GREENE & UNDERHILL,
Watertown, N. Y.

Mention The Review when you write.

Mammoth Verbenas

Rooted Cuttings, 38 varieties,
40,000 Now Ready. Get in your
orders if you want them quick.
All good and healthy.

60c per 100 \$4.00 per 1000; 5000 for \$18.00.

Salvia Splendens, 70c per 100.
Lantanas, 4 varieties, \$1.25 per 100.
Ageratums, 3 varieties, 60c per 100.
Coleus, 20 varieties, 70c per 100; \$6.00 per 1000.
Giant Alyssum, double and single, \$1.00 per 100.
Wandering Jew, 2 varieties, 80c per 100.
Mums, 50 varieties, \$1.25 per 100; \$10.00 per 1000.

All of above Rooted Cuttings we prepay.

Write for list of other plants. Cash with order.

Address S. D. BRANT, Clay Centre, Kan.

Mention the Review when you write.

WONDERFUL NEW POTATO.

Eltzholtz's Wonderful New Potato that is most remarkably early and productive, and of good flavor, also a good Winter Potato. It is much the best for early forcing and is free from disease. Each hill gives 40 to 50 or more potatoes; in extra good potato ground I have counted 70 to 80 in one hill. The growing period is very short. It is a potato of the future. Price \$1 for 2 lbs.; \$2 for 5 lbs.; \$10 for 30 lbs. Cash must accompany all orders or will be sent C. O. D.

H. ELTZHOLTZ, Far Rockaway, L. I., N. Y.

Mention The Review when you write.

HEADQUARTERS FOR ASPARAGUS PLUMOSUS NANUS

W. H. ELLIOTT

BRIGHTON, MASS.

For EASTER -- STRINGS, 10 feet long, 50c
Shipped to any part of the country.

Some Things You Want....

AGERATUM, blue and white dwarf, covered with Cuttings, 500, \$5.00	Per 100	1.50
HARDY PHLOX, 10 distinct varieties, 2-in. pots		2.50
FUCHSIAS, 6 varieties, 2-in. pots		2.00
GIANT PEARL MARGUERITE, 2-in. pots		2.00
RUDBECKIA, 3 1/2-in. pots		4.00
STATICE ARMERIA, 3 1/2-in. pots		3.00
BEGONIAS, 6 varieties, 2-in. pots		2.00
ACHILLEA, the Pearl, 2-in. pots		2.00

Enough extras added to more than pay expressage. Cash, please.

EDWARD B. JACKSON, Stamford, Conn.

Mention The Review when you write.

Hardy Perennials.

Clematis Davidiana, strong, 1 year	Per 100	\$6.00
Eulalia Gracillima Univittata and Jap.-Variegata		4.00
Funkia Alba		4.00
Hemerocallis flava		4.00
Hollyhocks, double, separate colors, per 1000, \$40.00		5.00
Helianthus Multiflorus Plenus and Soliel d'Or		4.00
Hibiscus, Crimson Eye		5.00
Iris Germanica		2.50
Perennial Phlox, fine collection		5.00
Pinks, strong clumps		5.00
Paeonies		8.00
Rudbeckia Golden Glow, per 1000, \$30.00		4.00
Spirea Polmata Elegans		4.00
Yucca Filamentosa, 2 years		8.00

All of the above are strong, field-grown stock.

VICK & HILL CO., ROCHESTER, N. Y.

Mention The Review when you write.

PALMS

All Home Grown, Strong and Healthy.

All Measurements are from Top of Pot, and don't you forget it.

ARECA LUTESCENS.

4-in. pot,	3 Plants,	Height.	Per doz.	Per 100
5	3	15 to 18 in.	\$ 3.00	\$25.00
6	3	20 to 22 in.	6.00	50.00
8	3	22 to 26 in.	9.00	75.00
12	3	28 to 30 in.	12.00	100.00
12	3	60 to 72 in., very bushy, ea.,	10.00	

A few bushy specimens, 14-in. pot, 1/2-ft. high, ea., \$25

COCOS WEDDELIANA.

2 x 3-in. pot, 1 Plant,	Height.	per 100, \$10.00
3	6 to 8-in.	15.00
4	8 to 10-in.	40.00
5	15-in.	60.00
5	15 to 18-in., ea., 50c.; doz.	6.00
5	15 to 18-in., ea., 50c.; doz.	6.00

KENTIA BELMOREANA.

5-in. pots,	Leaves.	Height.	Per doz.	Per 100
4	4 to 5	10 to 12-in.	\$3.00	\$ 25.00
4	5 to 6	15 to 18-in.	6.00	50.00
5	5	18 to 20-in.	12.00	100.00
6	6	18 to 20-in.	15.00	125.00
6	6	24 to 30-in.	18.00	150.00

JOS. HEACOCK,

WYNCOTE, PA.

Mention The Review when you write.

Dahlia Camelliaeflora...

Illustrated in Florists' Review January 26, 1899, and in Florists' Exchange August 13, 1898.

Awarded by the American Institute of New York a Diploma on pot plants of Dahlia Camelliaeflora and a First Class Certificate on Cut Flowers of the Dahlia Camelliaeflora.

This variety is particularly good for Spring sales as pot plants and is an abundant bloomer, valuable for cut flowers, and does not exceed two feet in pots or in field. The blooms are bold, clean cut, pure white, with very full center. Good, strong plants out of 2 1/2-in. pots, \$1.50 per doz.; \$10.00 per 100. Will be in best condition for delivery April 10th. Orders booked now and filled in rotation. Cash with order.

A. L. MILLER, Jamaica Ave., Brooklyn, N. Y.

Mention the Review when you write.

HALES' MOLE TRAP

For destroying ground moles in lawns, parks, gardens and cemeteries. The only PERFECT mole trap in existence. Guaranteed to catch moles where all other traps fail. Sold by Seedsmen, Agricultural Implement and Hardware dealers, or sent by express on receipt of \$2.00, by

H. W. HALES, RIDGEWOOD, N. J.

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Early Orange Yellow Cosmos "KLONDYKE"

Orders for CROP 1899,

now being entered at \$1.00 per ounce.

A. W. SMITH, AMERICUS, GA.

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GRAND RAPIDS.

Business Conditions.

The unfavorable weather bids fair to make flowers very scarce for Easter. In fact they are scarce already. Many lilies will not be in until shortly after Easter. Roses will be in better shape while there will, of course, be plenty of bulbous stock.

It has been the busiest Lent ever experienced here and prices have held up well. Plants have not been much of a factor, but will be heard from at Easter.

Glass.

The glass man at last reached Grand Rapids, but the results of the visit are disappointing. It appears that the tariff of about 40 per cent ad valorem on greenhouse glass is sufficient to protect the glass trust in any advance of price they may see fit to make, particularly as there seems to be an international agreement for keeping up the price of glass as well. To make a long story short, American glass is as cheap and cheaper than Belgian, and better. Pittsburg glass is the strongest American greenhouse glass, on account of a peculiar grade of sand used in its manufacture. Dark glass is the strongest, as strength is often sacrificed for clearness; the clearer the glass, the more brittle. Glass laid with the belly up, as it is called, is strongest in resisting hail storms, etc. When laid that way, liquid putty should be used. We feel a great deal better now that we know we are getting as good glass as there is to be had, and as cheap as it can be obtained elsewhere. Henry Smith immediately ordered a carload from our local dealer, others will follow.

Various Items.

The next club meeting will be held at the residence of James Schols on Leonard St., and promises to be a well attended meeting, as the subject of violets, in which so many are interested, is to be the main topic of discussion.

Eli Cross, foreman for Crabb & Hunter, is going into business for himself at the North end of town. He will build a couple of violet houses. Crabb & Hunter are in search of a good man to take his place.

GEO. F. CRABB.

IF YOU HAVE anything to sell to the trade, offer it in an adv. in The Review.

The MODEL Extension Carnation Support.

Read what some of our best growers say concerning it.

W. HOBOKEN, N. J., Feb. 18, 1897.

Mr. THERON PARKER, Brooklyn, N. Y. Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up Carnation Supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for for a long time. Wishing you every success in the sale of them, I am, Yours truly, E. ASMUS.

Other testimonials will appear weekly. Write for prices.

THE MODEL PLANT STAKE CO.,
22 Morton Street. Brooklyn, N. Y.

Carnations — Chrysanthemums....

New and Standard Varieties.

Our price list is teeming with new and good things. Send for it.

The stock we send out is a source of satisfaction to our customers and pride to ourselves. Don't wait too long; some varieties are already very scarce.....

H. WEBER & SONS, - Oakland, Md.

Mention The Review when you write.

GOOD CARNATIONS READY NOW!!

Rooted Cuttings WM. SCOTT, TIDAL WAVE, McGOWAN, \$1.00 per 100.

Flora Hill, white	Mrs. Bratt, variegated	G. H. Crane, scarlet
Daybreak, pink	White Cloud, white	Melba, pink
Jubilee, scarlet	Mrs. Jas. Dean, pink	Glacier, white
Pingree, yellow	John Young, white	Maceo, maroon
Firefly, scarlet	Mrs. Joost, pink	Gov. Griggs, pink
Ivory, white	Gold Nugget, yellow	Dorothy Sweet, red
Psyche, variegated	Evelina, white	Gomez, cardinal
Freedom, white	Argyle, carmine	America, scarlet

\$2 per 100; \$15 per 1000 \$5 per 100; \$40 per 1000 \$10 per 100; \$75 per 1000

GEO. HANCOCK & SON, - - GRAND HAVEN, MICH.

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CARNATIONS...

ROOTED
CUTTINGS.

G. H. Crane—The leader, large brilliant scarlet. Early and continuous bloomer.

Gen. Maceo (Ward) Maroon scarlet. The best of its class. Early and free.

Gen. Gomez (Ward) Cardinal maroon. Free bloomer, long stiff stems.

Glacier (Ward) Pure white, dwarf habit.

America (Hill) Large soft scarlet.

Melba (May and Craig) Light pink.

White Cloud. All who have tried this variety declare it to be the best white carnation ever introduced.

Gold Nugget, yellow. New York, cerise pink.

Mrs. Jas. Dean, Mary Wood, white, light pink. Mrs. Geo. M. Bratt.

Also, the best of all the other 1898 and standard varieties. We have a FINE STOCK.

Send for our complete descriptive Price List.

F. Dorner & Sons Co.

LA FAYETTE, IND.

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CARNATIONS....

ROOTED CUTTINGS
of New and Standard

Send for Price List.

P. O. Box 228 WM. SWAYNE, Kennett Square, Pa.

Mention The Review when you write.

CARNATIONS

Rooted Cuttings of Novelties and Standard varieties. Send for price list.

Also Lady Campbell, Swanley White and California Violets and Giant Double Alyssum.

W. B. SHELMIRE, - AVONDALE, PA.
Lock Box 10. Telephone connection.

Mention The Review when you write.

CARNATION CUTTINGS.

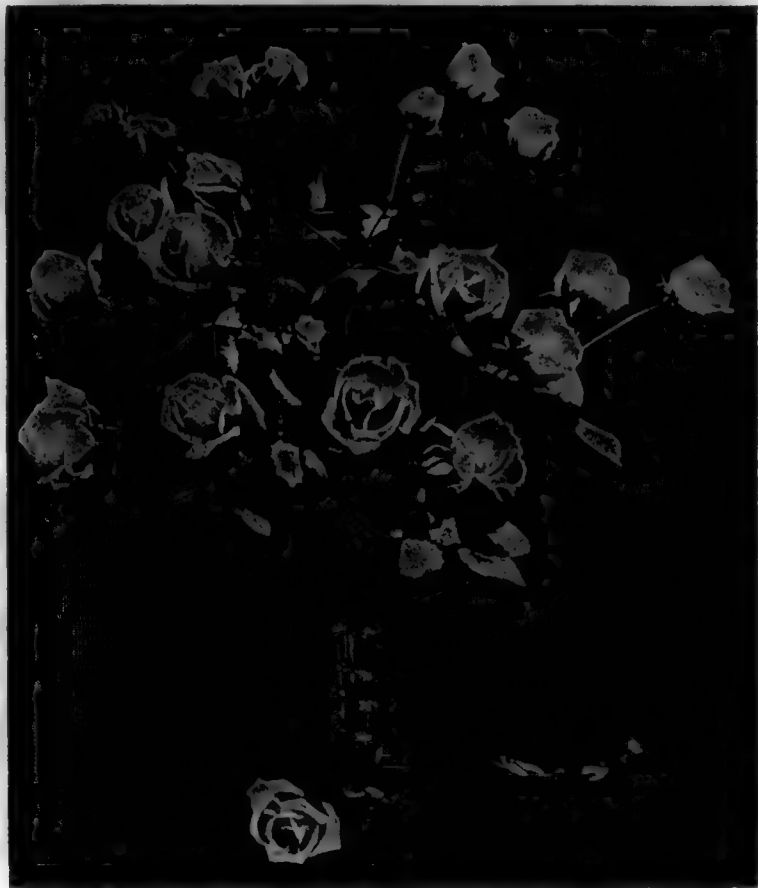
Jubilee and Triumph, the best red and pink, rooted, strong and clean, \$1.40 per 100 not rooted, strong and clean75 "

Albertini and Della Fox, very fine stock, rooted, strong and clean \$1.50 per 100 not rooted, strong and clean 1.00 "

Daybreak, Ivory and McGowan, rooted, extra strong..... \$1.00 per 100 not rooted, extra strong50 "

CASH WITH ORDER.

LE MARS GREENHOUSES, Le Mars, Ia.
Mention The Review when you write.



Lady Dorothea.

Winner of Silver Cup as best New Rose —
Chicago Chrysanthemum Show, Nov. 1898

Also Certificate of Merit —
New York and Toronto.

The Florists' Rose,
A Free Bloomer,
Always an attractive and selling color.
No bull heads.

John H. Dunlop, TORONTO, Canada.

1 plant, 50c. 12 plants, \$4.00 100 plants, \$25.00
250 plants, \$50.00 500 plants, \$75.00
1000 plants, \$125.00

Herr's Carnations

Three houses of California Novelties
from John H. Sievers & Co.

Iris Miller and Elsie Furgeson are entirely
novel colors and should be in every grower's
collection. Leslie Paul is a rival of and in
my estimation better than Maud Adams.
Harriet Bradford is a heavily marked fancy,
and the four are very free bloomers from
October 1st to end of season. There are
four others, and all have extra large flowers
on long, stiff stems and with perfect calyx.

12 each of the 8 sorts for \$10.00,
or 250 for \$18.75

Uncle Walter is a scarlet sport from Tidal
Wave, and said by men who have seen the
others to be the brightest of them all.

Price \$5.00 per 100,
or \$40.00 per 1,000

Twenty-five Standard Sorts at reasonable
prices. Send for list.

ALBERT M. HERR,
LANCASTER, PA.

Mention The Review when you write.

ROOTED CUTTINGS --- CARNATIONS.

Well-Rooted and Healthy Stock.

Flora Hill and Victor... \$1.75 per 100, \$15.00 per 1000
Scott and McGowan... 1.00 " 7.50 "

FINE SMILAX PLANTS,

2-inch pots..... \$1.00 per 100, \$8.00 per 1000
3-inch pots..... 1.50 " 12.50 "

Cash with order.

L. R. HANCOCK, Lock Box 691, Burlington, N. J.

Mention the Review when you write.

New Variegated Fancy CARNATION

SANDUSKY

The earliest, freest, largest and most productive variegated Carnation ever offered
to the trade. One that can be grown at a profit for two dollars per hundred blooms.

TRY IT! \$2 per dozen.
\$10 per hundred.
\$75 per thousand.

W. E. HALL, Clyde, Ohio.

Mention The Review when you write.

Flora Hill

WM. MURPHY, Station F, CINCINNATI, OHIO.

Mention The Review when you write.

Carnations == ROOTED CUTTINGS....

FINE STOCK.

Daybreak, \$1.50 per 100, \$12.00 per 1000

Wm. Scott, 1.00 " 7.50 "

Cash with order.

C. SOLTAU & CO.

199 Grant Ave. JERSEY CITY, N. J.

Step into my
Greenhouses and
you will see **Lizzie McGowan**

Carnation with blooms by thousand,
measuring 2 1/2 to 3 inches on
clean, healthy stock. Orders
received at \$3.00 per 100 flowers, long stems, for
Easter. FINE ROOTED CUTTINGS from the
same, only \$5.00 per 1,000, cash.

B. F. MUSCHERT, - - Penn Valley, Pa.

Mention The Review when you write.

CARNATION SEEDLINGS.

From Hand Fertilized, Winter Bloom-
ing Varieties.

100 plants for \$4.00, 25 plants at 100 rate.
Sent free by mail.

American Rose Company,

All Seeds Sold. Washington, D. C.

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Carnation Cuttings!

CLEAN, HEALTHY STOCK.

Daybreak and Silver Spray,
\$1.00 per 100 or \$8.00 per 1000.

VIOLETS, rooted runners, 40c. per 100, \$3.50 per
1000. **SMILAX,** from flats, 50c. per 100.

VINCA MAJOR, nice 4-in., \$6.00 per 100.

J. W. DAVIS, Morrison, Ill.

Mention The Review when you write.

EXPRESS WRITE FOR CATALOGUE

JOHN C. MONINGER CO. 412 TO 422 HAWTHORNE AV. CHICAGO.

OF EVERY DESCRIPTION

MILWAUKEE.

There is considerable guess work being done as to the supply of Easter stock. The outlook for a good supply of cut flowers is fair, but good plants, especially Harrisits, will be scarce. The weather has been cloudy and dark for the past two weeks which meant a vast difference in the lily supply to those who figured thousands on bright weather, but who are now counting by the hundred.

Roses and carnations will be in about sufficient supply to go around, although prices may rule a notch higher than last year. All other bulbous stock will be in good supply. Smilax is almost impossible to obtain and very little of it will be on the market.

Potted tulips and daffodils, azaleas, spirea, hyacinths and cineraria plants will make up the main supply in Easter plants.

GEO. W.

DENVER, COLO.

The following scores were made by the Denver Florists' Bowling Club on March 15:

	1	2	3	Av.
John Ferris ..	132	143	145	140
Geo. Brenkert ..	153	155	204	171
Gilbert Scott ..	128	118	89	112
John Berry ..	174	198	160	178
J. N. Jakobsen ..	191	236	210	212
Chas. Meyer ..	...	169	146	157
Guss Lang ..	...	105	174	139
A. M. Lewis ..	...	160	207	183
Robt. Kurth ..	...	158	153	154
Chas. Webb ..	...	141	139	135
Albert Mauff ..	...	...	194	194

BARING CROSS, ARK.

The nursery business has been good this year. Prospects for spring business are very bright.

During the recent cold spell the only things which stood the weather all right were the Chinese arbor-vitae.

J. W. Vestal & Son report doing a good business, and Tipton & Hurst, of Little Rock, also find trade good.

H. W. Herron, Little Rock, had most of his stock frozen.

FLORISTS BOXES

THE J.W. SEFTON MFG. CO.
241-247 S. JEFFERSON ST.
CHICAGO, ILL.

ANTON GARDEN PLOW

THREE SHOVELS AND RAKE ATTACHMENT.
WEIGHT, 20 POUNDS
\$3.75 EACH.
CASH WITH ORDER.
PARLIN & ORENDORFF CO.
Largest and oldest permanently established Plow Factory in America.
ANTON, ILLINOIS.

A. ZEISE & CO.

PHOTO PROCESS ENGRAVING
300-306 DEARBORN ST.
CHICAGO, ILL.

Greenhouse Material

Of Clear Louisiana Cypress and California Red Cedar
BEST GRADES. PERFECT WORKMANSHIP.
A. DIETSCH & CO.,
615 to 621 Sheffield Ave., CHICAGO, ILL.
Mention The Review when you write.

GEORGE RIPPERGER.

Sheep Manure.

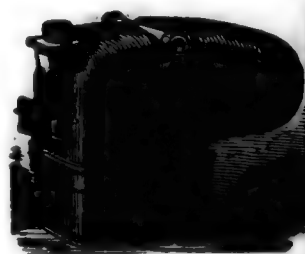
I have now on hand a large quantity of A1 Sheep Manure. Send for Price List and Sample. Best Fertilizer for Top Dressing.
Office, 207 Academy St., LONG ISLAND CITY.
Factory Seventh St.
Mention The Review when you write.

Hothouse Glass

ALL SIZES A SPECIALTY.
C. S. WEBER & Co.,
4 Desbrosses Street, NEW YORK.

SAVE MONEY!!

CHEAPEST OF ALL POTS
by using the Cow Manure Pot. Cuttings stronger and healthier. Young stock starts quicker. No transplanting. Machine for 2 and 3-inch pots, \$5. Directions with each machine. Cash with order.
H. ELTZHOLTZ,
Far Rockaway, N. Y.
Mention The Review when you write.

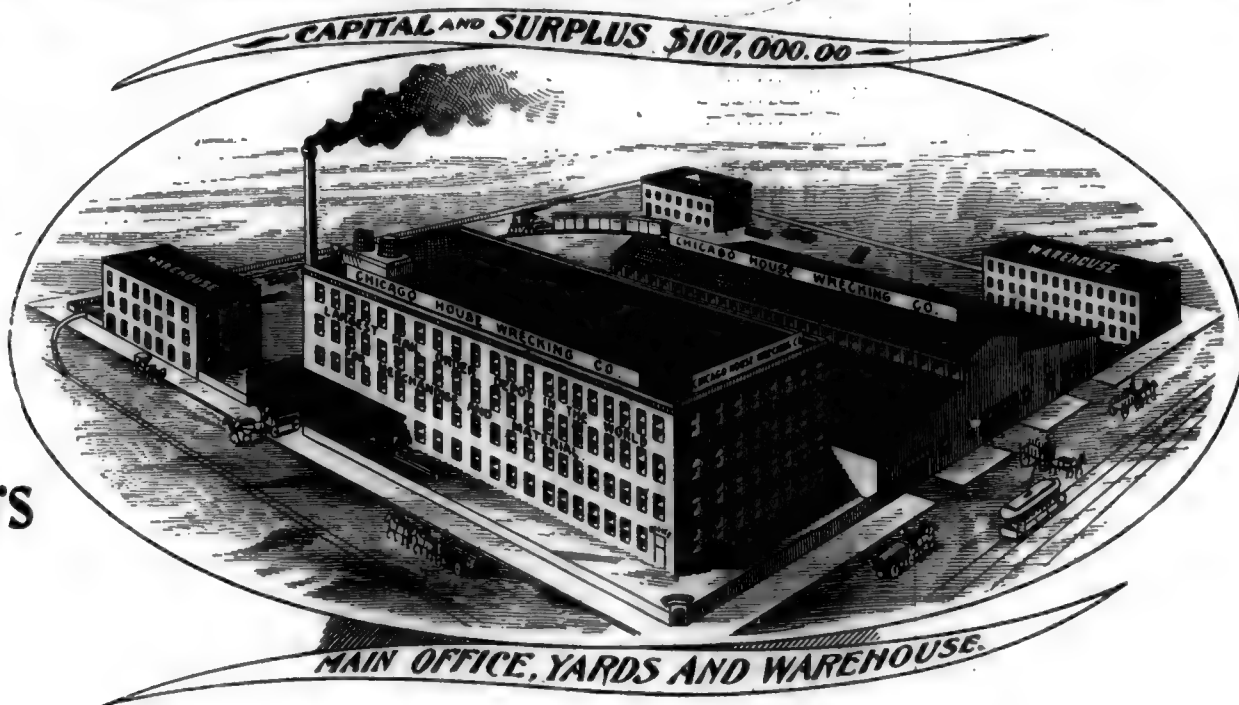


HITCHINGS & CO.
233 MERCER STREET, NEW YORK.
GREENHOUSE BUILDING.
VENTILATING APPARATUS
HOT WATER BOILERS, PIPES AND FITTINGS.
SEND FOUR CENTS FOR CATALOGUE

Chicago House Wrecking Co.

NEW AND SECOND-HAND MATERIAL OF ALL KINDS.

Piping
Hose
Boilers
Radiators
Etc.



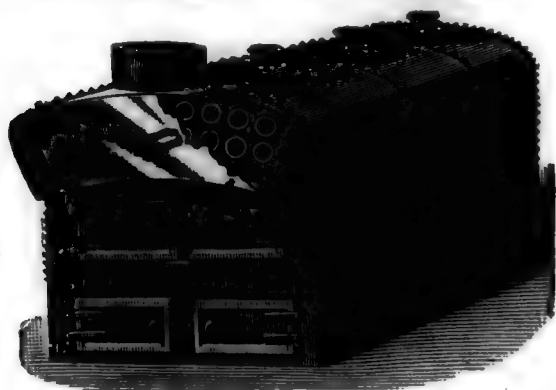
Glass
Paint
Roofing
Lumber
Etc.

West 35th and Iron Streets,

Write for Catalogue "A."

CHICAGO.

KROESCHELL BROS CO.
IMPROVED
Greenhouse Boiler
29 to 59 Erie St., CHICAGO.



Boilers made of the best material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.
Mention The Review when you write.

High Grade BOILERS
Get our Catalogue. For GREENHOUSES.
STEAM AND HOT WATER.
GIBLIN & CO., Utica, N. Y.
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GLASS Hot Bed, Greenhouse and Ventilator
GULF CYPRESS BARS, ETC. **SASH**
Manufactured by S. Jacobs & Sons, Factory, Queens Borough.
...by S. Jacobs & Sons, Office, 408 W. 13th St., N.Y.
WHITE LEAD, PUTTY, ETC., AT WHOLESALE.
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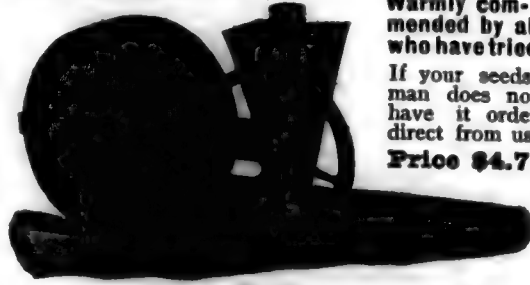
Iron Reservoir Vases and Lawn Settees
Manufactured by
MCDONALD BROS.,
108-114 Liberty Street, Columbus, O.

Send for our 1899 Catalogue.
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GEO. TAYLOR & SON,
MORRIS, ILL.
Manufacturers of
Cypress Greenhouses....
Want all Florists to write and find out the merits of their NEW SASH BAR.
Mention The Review when you write.

Peerless Powder Blower
Patent pending.

Far better, quicker and more effective than the bellows.



Warmly commended by all who have tried it.
If your seedsmen does not have it order direct from us.
Price \$4.75

EDW. E. McMORRAN & CO.
15-21 N. Clinton St. CHICAGO.

HARRY BALSLEY Sells Those Red Pots
Standards—Full Size and Wide Bottoms, Bulb Pans and Azalea Pots for the
Detroit Flower Pot Manufactory
490 Howard St., Detroit, Mich.
Mention The Review when you write.

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IT WILL BE to your advantage to mention The Florists' Review every time you write an advertiser.

WHENEVER you need any trade supplies not offered in our advertising columns, write us about it. We will place you in communication with some one who can supply what you want.



Red Flower Pots.

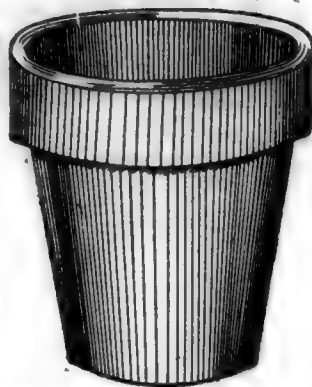
OUR OWN MAKE.

These pots do not turn green and become slimy as white pots do.

They being at all times clean, promote a healthy growth to your plants, and prevent spreading of disease and vermin.

To introduce these red pots we will place them on the market at the following rates:

	Per 1000	Per 500		Per 1000	Per 500
2 inch	\$3.00	\$1.75	4 inch	\$7.00	\$3.75
2 1/2 "	3.50	2.00	5 "	12.00	6.50
3 "	4.50	2.50	6 "	18.00	9.50
3 1/2 "	5.50	3.00			

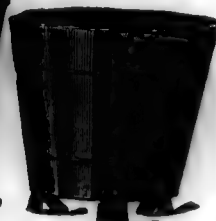
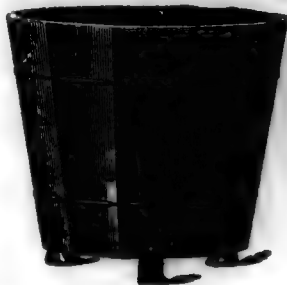


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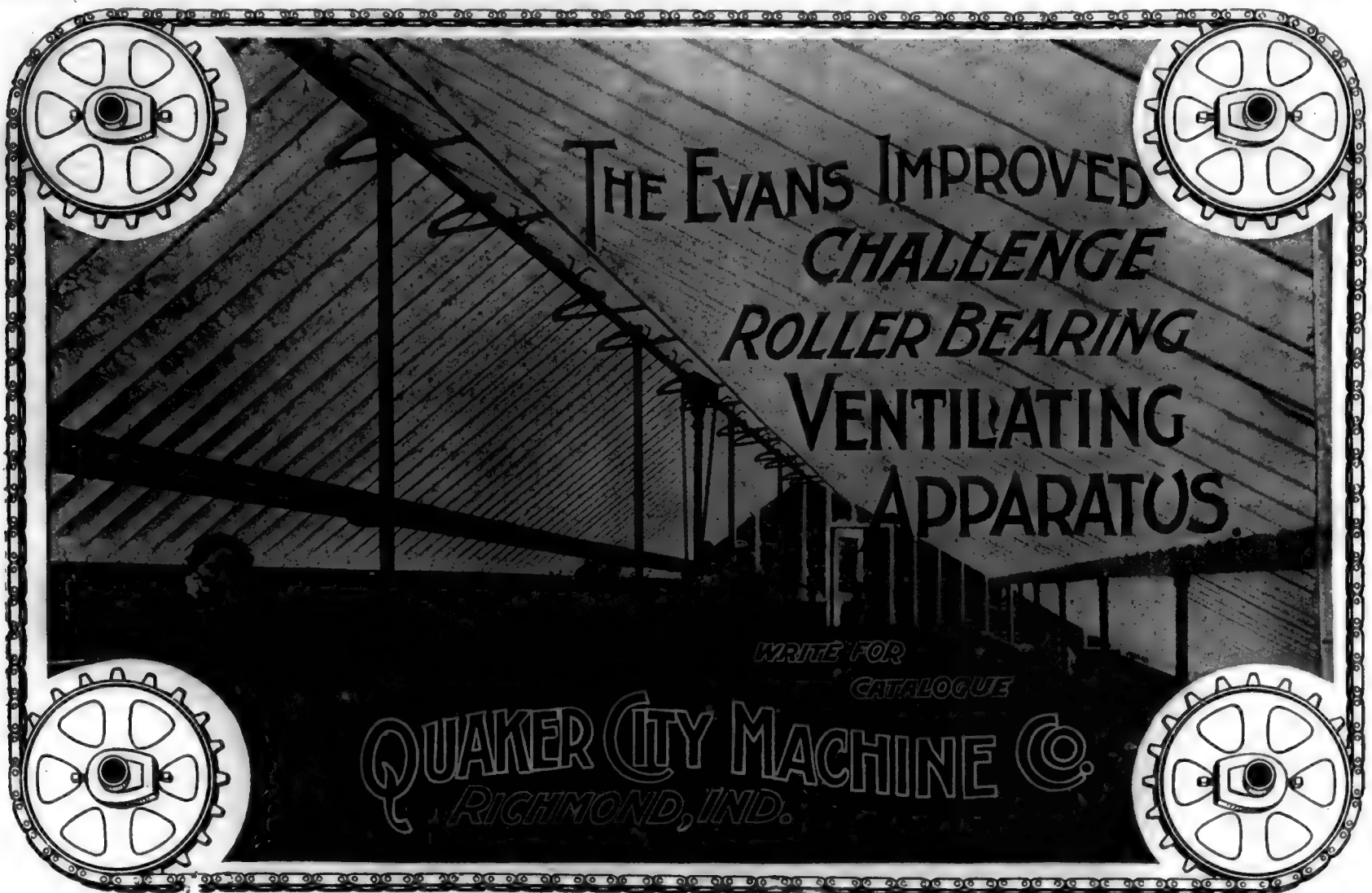
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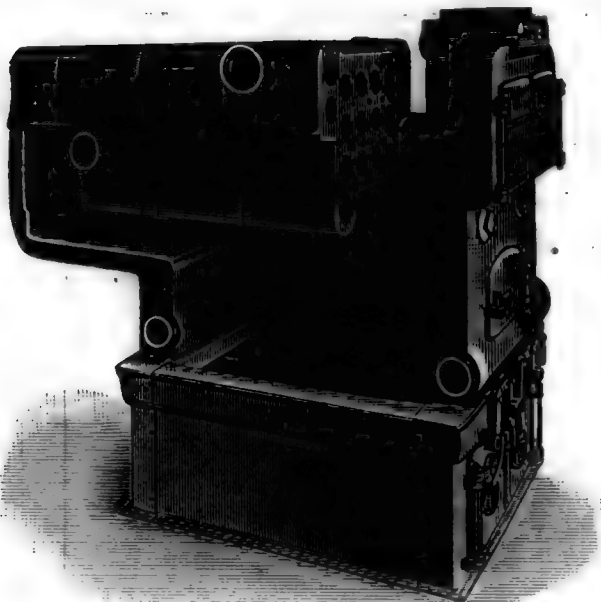
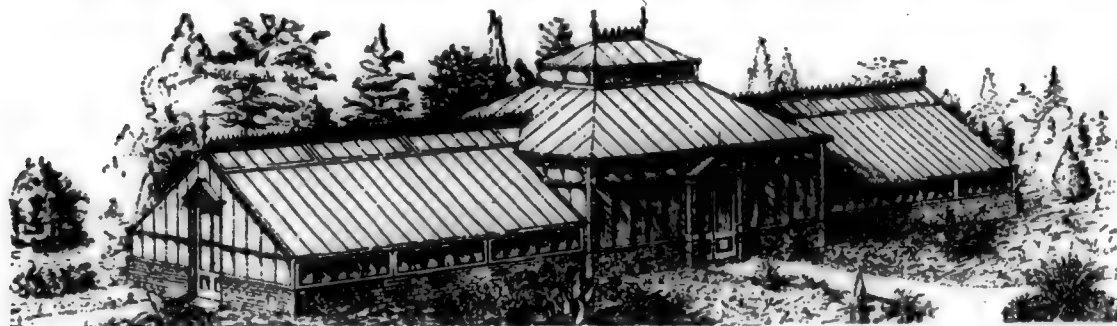
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Vol. III.

CHICAGO AND NEW YORK, MARCH 30, 1899.

No. 70.

WREATH OF IVY LEAVES.

The accompanying engraving is from a photograph of a crescent wreath of ivy leaves that received much favorable comment. As will be noted, cattleyas, cypripediums and Roman hya-

cinths were very effectively used in the widest part of the crescent, and a touch was added to the wreath by the use of some long sprays of ivy over the body work of leaves, all the leaves having been brightened by being rubbed with sweet oil. The photo-

graph does not do justice to the wreath, which was a remarkably rich and beautiful piece of work.

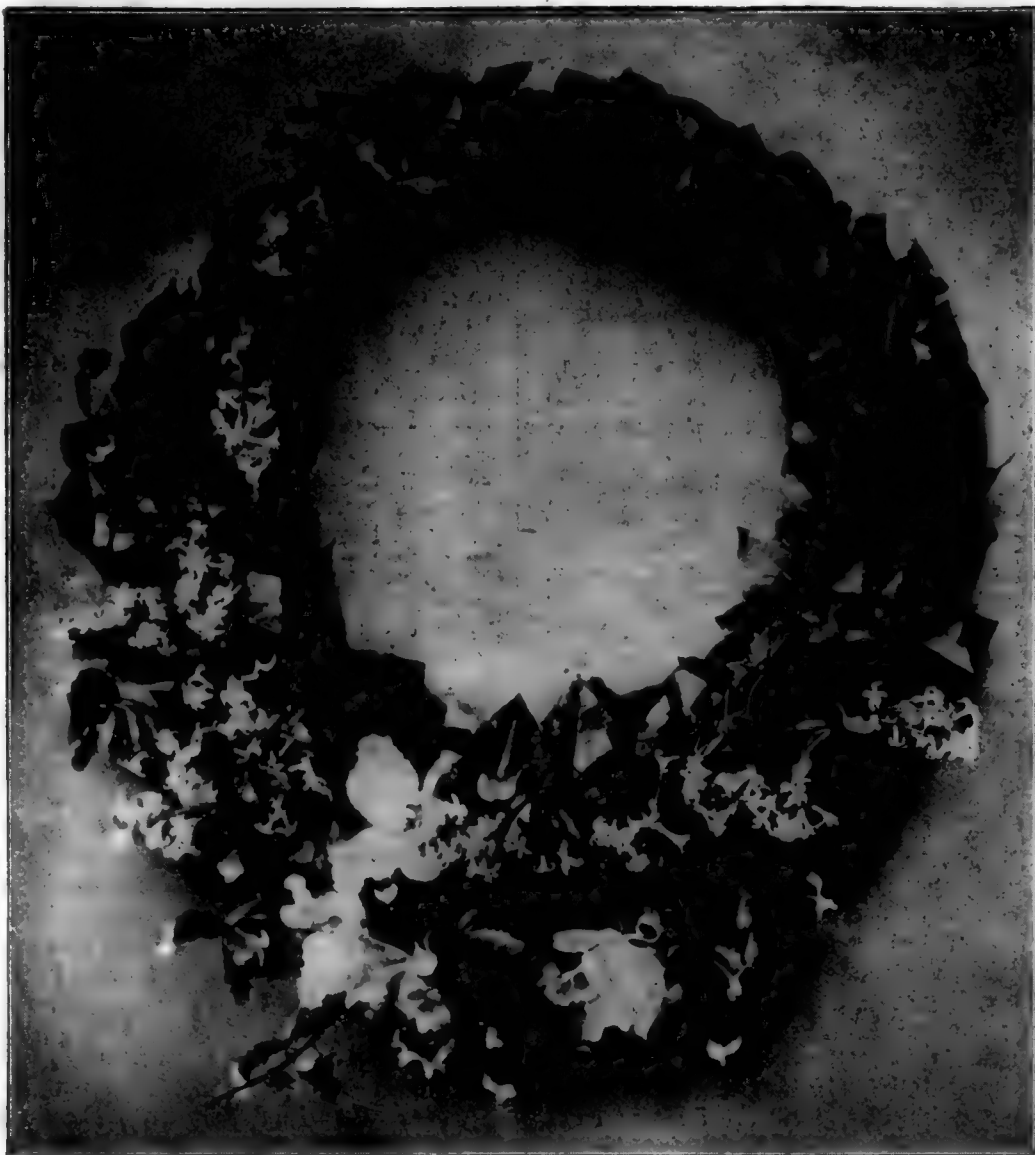
AMONG NEW YORK GROWERS.

Dailledouze Bros.

The three Dailledouze brothers, Eugene, Paul and Henry, have 50,000 feet of glass in Flatbush, devoted largely to carnations, and they have a national reputation as growers of flowers of the highest grade. The force consists of ten men, including the brothers, each of whom takes an active part in the work, but the whole attention of this force is devoted to the growing. When a house is to be built or heating apparatus changed, the work is done entirely by others and extra men are employed when the houses are being refilled.

Most of the houses are but a few years old, having replaced former structures, and are models. They are separated from each other, are of iron frame construction, with 30 inches deep of glass in the side walls, no plates, the glass of the roof meeting and overlapping that of the side wall, the sash bars being held in position by being screwed to a small angle iron where the bar of the roof and that of the side meet. In the latest built houses the side lights slope inward a few inches so as to allow the drip from the roof to fall clear and to avoid the formation of icicles in severe weather. There are no interior supports, the iron rafters being strong enough to carry the weight of the roof, purlins to support the sash bars extending from one rafter to another. In the newest houses the benches are all center benches with a walk along each side wall.

They have several houses of Mrs. Bradt in grand form and it is one of their most profitable varieties. Here this sort leaves nothing to be desired



Wreath of Ivy Leaves and Orchids.

as to size of flower, stem, etc. At Christmas their best flowers brought \$2.00 a dozen at wholesale, the others going at \$8.00 a hundred. Now the best bring \$10.00 a hundred and the others \$6.00. The variety makes a small growth in the field and when benched the plants are placed somewhat closer together than other sorts. The plants now bearing so freely were housed about the middle of August and stood still for three or four weeks, seeming as hard as a bone, but when they took hold started off nicely. A few short stemmed flowers were cut in November, but no really good blooms till December; there was a grand crop for Christmas and they have produced freely since, the variety doing better with them this year than last. The flowers of Bradt are very full and they must be fully developed to keep well; the greatest care is taken to cut each flower at the right state of ripeness and when so cut they are fine keepers. Bradt maintains its sportive character here; in addition to the red sport they have a pure white one and also a white with blush center. Their soil is a rather heavy clay.

They consider White Cloud the best white carnation ever disseminated and will grow it largely. A house of this sort was a beautiful sight, the splendid blooms being carried erect on fine, strong stems and the plants producing with great freedom.

But they will still retain Flora Hill, feeling that there is a place for both it and White Cloud. It is a grand flower and an early and continuous bloomer. The stem is all right up to January when it is apt to be too weak to carry the heavy flower. With them it blooms as freely as Daybreak and the best flowers are classed as fancy. The blooms are good keepers, too, and the store men like it on this account.

McGowan was dropped some time since. They couldn't get a good plant in the field and the blooms of Hill were so superior they pushed it out of the market. Edith Foster is a white that will be dropped this year, White Cloud and Hill forcing it out. They have had some trouble with Hill from bacteriosis and stem rot, but think can partly overcome this through careful selection of wood for cuttings. They are convinced that the constitution of any variety can be improved by this method. They feel it is unsafe to pass judgment on a variety from the first year's trial. The stock may be weak, and they must have grown plants propagated from their own selection of wood before coming to a decision. Last summer was very trying on all plants in the field and they have to bear this in mind in considering results this winter.

They have regretfully abandoned Evelina, which has been a fine bloomer, but sadly lacking in constitution here.

Alaska they still grow in limited quantity, but merely because they have a few benches that lack head room.

In crimsons they still grow Sebec.

It has been discarded by most growers on account of weak stem, but the stem is all right here. The demand for crimson flowers is limited but seems to have increased somewhat of late years. They are trying both Maceo and Gomez, but have dropped Empress, which with them has burst badly, though the flower was large and the stem excellent.

Mrs. Frances Joost will supplant Victor here. It is a better flower and does not fade as Victor does.

This is their second year's experience with America and they are much pleased with it. The flower is large and the plants grow and bloom well. They began cutting flowers in November and it has produced continuously ever since. The flowers sell well and are classed with the fancies.

They are much taken with Cerise Queen, the color making the blooms good sellers. The fall crop flowers are short stemmed, as with Tidal Wave, but later the stems are all right. The variety does not make a very large plant in the field, but did better than Bradt in that respect this season.

Hector has been a great money-maker with them and they will still grow it in reduced quantity. They have had benches of this where the buds were as thick as heads of wheat. They are looking for something better though and think they will find it in G. H. Crane, or America.

Mars gives strong indications of securing a position at the head of the list of scarlets. It was with this variety they won the Cottage Gardens cup at Philadelphia.

Daybreak is still a great standby with them and it does not show any weakness here.

They will still grow Scott. It is yet the freest bloomer they have and there is always a certain trade that won't pay fancy prices and for which Scott fills the bill.

They are discouraged with Triumph, a fine carnation, but badly diseased here. They will try a few plants once more.

They like Mrs. James Dean, but it is not very free and they find it has to bring a good price to be profitable, though a fine flower of beautiful color.

Salmon Gem is a grand color, but it is the "star burster" during the winter months, fully 90 per cent of the flowers being split.

They have dropped Jubilee. During the midwinter season the flowers were good, but after that there was too large a proportion of poor semi-double flowers.

They have also dropped C. A. Dana on account of lack of size and substance. Morello was very unsatisfactory here, being a poor bloomer and the flowers bursting.

In yellows Eldorado is still their main reliance. Though it bursts a good deal and is very rusty they feel they must have it in addition to Pingree.

Pingree has been about 50 per cent better this year than last with them, but while it is a fine flower, with wonderful stem, and a great keeper, it

ought to bring not less than \$4.00 a hundred to be profitable.

They think well of J. Whitcomb Riley as a white variegated. It is a large flower with fine stem and the blooms find ready sale.

They are still hunting for a means of keeping their plants entirely clear of green fly without injuring the flowers or plants. The hardened veterans that come in with the plants from the field are difficult to kill even by severe and repeated fumigations, and they find that the plants are apt to be injured by fumigations severe enough to kill all the flies. And of course fumigation is out of the question as soon as flowers are opening, as the smell would render the blooms unsalable. Pingree is especially subject to green fly, and Bradt also to a less degree. Laying tobacco stems on the heating pipes is the most effective preventive they have used, but they find this keeps the heat down to a very appreciable degree, so they scatter the stems around under the benches and renew them three or four times during the season. In one house they are trying the experiment of painting the heating pipes every two weeks with the Rose Leaf extract of tobacco.

While they apply water direct to the soil as a general rule they still water overhead occasionally and find this necessary to keep down insects. They give all their carnations a night temperature of 55 degrees. They use the Model carnation support largely, but also use a system of their own which consists of two or three tiers of wire stretched lengthwise of the beds between the rows and string run crosswise. But this has a disadvantage in that it is rather unhandy to weed the beds and stir the soil under the lower wires. Where there are side benches chicken netting is tacked to the bars to prevent the flowers being injured by laying over against the side glass.

Some time ago they imported a number of English varieties of carnations. There were some wonderful colors among them, but they proved valueless as winter bloomers. They have crossed them with American sorts, but have got nothing of any value as yet.

Mignonette was formerly a profitable crop with them and they still grow it, though in lessened quantity. Their best spikes are a foot long and 2½ inches in diameter with another foot of stem. These extras bring \$1.50 a dozen now and sold at \$2.00 a dozen at Christmas, but in former years they went as high as \$5.00 a dozen at Christmas. Ordinary spikes go now at 25 cents per dozen. The extras are packed as individual spikes, but the others are put up in bunches of a dozen spikes each. In addition to the lowering of prices the strain, which was a selection of their own, has deteriorated of late years and they have been unable to bring it up to the former standard, though they have tried several experiments, including outdoor culture. Some of their mignonette houses, from which they have

been cutting since last November, will now be cleared out and used for lilies.

Of lilies they have a large lot in good shape for Easter. They are mainly longiflorum, of the Harrisii fully 35 per cent having been lost from disease.

They are rather pessimistic as to the future of the chrysanthemum as a profitable crop, and believe that the only chance of profit is to grow some variety that others are not largely growing. There were some tremendous gluts of the usual market sorts in the New York markets last season.

AN OIL FIELD GREENHOUSE.

The remarkably good picture of Mr. Geo. L. Graham's establishment is interesting not only for what it is horticulturally, but to illustrate that where man subdues the wilderness and wealth follows, the florist quickly follows to cater to the most pure and refined

ance were the timid elk and deer, sulky bear, snarling panther and wildcat, and many rodents, great and small. Perhaps the blinking eagle, perched on the dead branch of a lofty cherry, peered down and wondered why the rattlesnake should get excited. Mr. and Mrs. "Poor Lo" would be sure to make an occasional visit "whose untutored mind sees music in the trees and hears it in the wind." Such was the power of Ole Bull's music that its louder strains rippled the surface of the streams and silvery trout jumped from their rocky beds to catch a chord or perhaps a cord with a hook attached. After years of toil Ole Bull found the title to his lands was a fraud, the colony was broken up and when his fortune was gone he had to be once again the wandering minstrel with a broken heart.

All that is past, the lumberman came, the bark was used by the tanner and the boards to build our houses.

coffers of many, and some in particular. It's easy to be a jolly feller, but there is only one Rockefeller.

Bradford is in what is known as the western field and was developed several years after the older fields of Oil City and adjoining territory, but for quantity of oil and continuous production it is by far the richest the world has yet discovered. Cities spring up where recently the panther crouched and from a backwoods lumber camp of 25 years ago Bradford came and in 1891 came Mr. Graham. In 1883 Mr. Graham landed in New York. After working at several rose growing establishments, the last at John N. May's, he moved to Bradford, leased a small piece of ground and built two small houses. Four years ago he purchased five acres, built his present establishment and is in every way prosperous, and as his lordship stands on the veranda with his amiable wife and baby on his right, he is as happy



An Oil Field Greenhouse Establishment.

taste, the love of flowers. Bradford is some seventy miles due south of Buffalo as the crow flies, but just inside the Pennsylvania state line in McKean county. Fifty years ago, perhaps, the site of Bradford was a dense primeval forest of hemlock that reared their feathery heads to the skies. The picture shows that the nearest thing now to the skies is the homely but useful oil derrick. It must be fifty years ago that Ole Bull, after fiddling sublimely to crowned and titled heads of Europe and to millions of common people of America (we hadn't any aristocracy then), retired to the wilderness of western Pennsylvania, purchased an immense tract of land endeavoring to form a colony of his countrymen. He cleared the forest, began farming, and was patriarch of his clan.

At leisure hours he sat on a commanding rock and fiddled forth heavenly airs to his flock. Perhaps some auditors who did not applaud but stood listening at a respectful dis-

Now a second growth of trees has appeared, a mixture of hardwood. How is this that where has stood for centuries a forest of pine or hemlock when cleared off up springs a great variety of hard wooded trees. Of all dismal scenes to behold are the rocky sides of the Alleghany Mountains when cleared of their stately pines but a few years. Time mends all things, so somebody said, and in the neighborhood of Bradford the ruthless hand of the lumberman is mended, largely by nature and assisted by what is known as the "buckwheat." Then later came the discovery or rather its use of petroleum on Oil Creek near Titusville. To the south and east for many miles lay a basin of this inflammable, greasy liquid which only needed the driller's tools to bring it to the surface, to enlighten this country and Europe, to make the hill farmer a bloated bondholder by the lease or sale of his barren land, to make and unmake thousands of men and to pour countless millions into the

as a petroleum king. I visited Mr. Graham a few years ago and I then said and wrote that I never saw so great a number of good rose buds to the square foot as I saw at his place, and his knowledge does not end there. He is blessed with health, energy and integrity. Mr. Graham is very popular with the community of his district and is a leader in several fraternal societies. The picture shows that Mr. Graham's industry is not confined to the greenhouse business alone, but can plant you an orchard or ornament your lawn on demand. The trees in the background he calls butternut, but time tells me to write no more; I but-ter not. W. S.

NEW ROSE LADY DOROTHEA.

We have received from Mr. John Dunlop, Toronto, Ont., a dozen blooms of his new rose Lady Dorothea, which were certainly very attractive. An engraving from a photograph of a house of this new rose appeared in our last issue.



COLOR AND FORM.

As I understand the scale, as revised at Philadelphia, it is to judge only new varieties applying for a certificate of merit. All the improvement made in the carnation is the result of culture and cross-fertilization; so in a new variety we expect an improvement in the flower in some respect over existing varieties. I would like to also add in general habits of the plant, but as such cannot be judged at the exhibition table we cannot include them. Cross-fertilization augmented by the inconsistency of the maxim that like produces like, stamps every plant grown from seed as a new variety. So when found meritorious, we must first consider those parts where an improvement is fixed, a gift of nature, that cannot be changed much by cultivation, as color, form and fragrance. Of these, color may be entirely new, form also to some extent, and even fragrance has been found changed. The other properties, such as size, stem, calyx and substance, are much subject to good culture and proper treatment. While high culture may have a tendency to dim a bright color, produce malformation and impair fragrance, all the other parts will certainly be improved by it, as they are deteriorated by bad treatment and culture.

When we look at flowers, not alone carnations, in a general way, we may wonder what makes a flower attractive, or what creates in us the love for flowers. It is the admiration of color, form and fragrance. Color first attracts our attention, next we examine the form, hold the flower to our nose, then look at the other necessary adjuncts, and express our satisfaction, or regret, that such a beautiful flower is not presented in a more suitable style. If the real mission of a flower were its wonderful reproduction and the growing of seed, we would have far more cause to admire the colorless blooming of our cereals; the tassels and silk of a cornstalk would certainly be more attractive. Nobody will deny that a suitable stem and a keeping substance will add to its beauty and usefulness, but we must first have the flower to be made useful. We may pick up a flower from the ground, broken off at the stem, but the regret it may cause is for the flower and not the stem.

It is amusing to hear and read the different opinions, as to the different qualities of a carnation. No scale could be made to suit everybody; no

variety produced that will suit everybody; tastes differ. In my opinion color is most important. The construction, the build of the carnation bloom, is for color effect. Offend the eye as regards color, and all the other attributes appear insignificant. A bad color may only be partially excused by fragrance. A weak stem to an otherwise brilliant flower is deplorable, and it will probably be laid aside with regretful feelings. Will a bad colored flower on a strong stem receive the same consideration? It is simply thrown aside as worthless. And so in comparison with every other quality, color is considered first. Nature clothed the plant with a modest grassy garb, but gave the bloom the brilliancy of color, and this alone will sustain its well defined rank among Flora's children. An American Beauty rose nestled among the wealth of luxuriant foliage appears brilliant. Would the same color on a carnation have a similar effect? No, it would appear dull. Color, although given more recognition in the new scale, has not yet received its full consideration. It is not alone improvement in the brilliancy and tone of existing colors, but also a possible extension in the range of shades, as well as entirely new colors, that deserves consideration.

In the scale for standard varieties, color has been given more prominence than it deserves; those qualities that depend on good culture should receive more attention. When a Daybreak can be grown to a size of four inches, as it has been claimed, or a grower can mount Bradt so it will stand like an American Beauty rose, these are cultural attainments which should be more recognized than in standard varieties. Would any marked change equal to an improvement in color in these two or any other variety—be recognized? No, it would then be called a sport, and stamped as a new variety.

Next comes form. Has the reader ever grown seedlings or seen a thousand selected seedlings growing and blooming side by side in one house? If he has, he will agree with me that there are different forms possible in new varieties, and these cannot be gained by good culture alone. No, they appear from Nature's workshop without much of our help. A good form in a new variety is a fine quality and though secondary to color, deserves the same attention. There are as many forms in the carnation as in the rose and chrysanthemum, and it would be too much preference of one's own taste to call any one the best. The difference, as in other flowers, exists

in the form and arrangement of the petals.

Lily Dean, with its large round petals symmetrically arranged and slightly serrated, may be called the typical form; around it are grouped all the others, but by no means less attractive. What a difference is noticed when we put Lizzie McGowan or Flora Hill with their erratic petals beside Lily Dean or Mrs. Bradt, with its radiating petals harmonizing so beautifully with the stripes and full form; or the deeply serrated Bon Ton, nearly opposite to Daybreak and White Cloud. It would be difficult to describe and classify all the different forms, and will only call attention to the various effects produced by the different varieties. For a boutonniere I would select one of the Lily Dean form, but for massing, the regular symmetrical, daisy-like flowers become monotonous, while some irregularity gives relief, as for instance Scott would do. Form will often harmonize with color, and is then all the more entitled to consideration, as for instance the dark variety Maceo. The beautiful shading of that deep maroon would be lost in an over-full flower.

I wish to call attention to a similar error in the scale adopted at Cincinnati. In new varieties form receives 10, in standards 15 points. In standard varieties, where under a high culture form may suffer, it receives more than is given to new varieties which, as shown on the exhibition table, is a fixed quality which nature alone gives. Fragrance next.

FRED DORNER.

SHIPPING FLOWERS.

Packing flowers for market is one thing but packing flowers for the trade is another. After years of study and effort we still find the usual kick, and as a general rule the man that makes the kick has only himself to blame. Many in the trade seem to think that all they have to do is to send an order to Chicago, without regard to time of day, scarcity of stock or any other conditions, in order to get the best that grows at a price cheaper than it can be grown for.

The buyer does not sufficiently post his commission man as to his wants, the style and grade of goods used in his store, and if on receipt of stock he would write the shipper, explaining what was wrong, he might prevent the same error in his next order. Here is a case in point.

A man in Louisville writes: "Whenever I send you an order give me a good second; I can't get the price for firsts." A few days later he wires: "Send 100 roses, 100 carnations, best stock." After reading his letter, which did go into details, explaining why he couldn't get big prices for fancy stock, we sent him the best medium grade and billed him at about one cent more than he had been in the



Vase of Golden Gate Roses.

[The yard-stick in center shows length of stems.]

habit of paying, and we thought from what we had been sending this same buyer that he would consider such stock fancy. But he does not say a word; don't even make the usual kick.

A few weeks passed, and noting he was sending no more orders we wrote for information, receiving a letter like this: "I wired you on such a date for 100 roses and 100 carnations, best stock, and I could not use the stuff you sent me as it was for a wedding and I had to have flowers with fine stiff stems. Besides you charged me one cent more." He forgets the instructions sent us when he opened his account. This could all have been avoided if he had used one or two words from the telegraph code.

CHARLEY'S AUNT.

A NEGLECTED BUT GOOD ROSE.

In the fall of '92, having a small space on a rose bench empty and not enough of the usual forcing varieties of roses to fill the same, I

told my foreman to fill the space with a lot of mixed rose plants that I had gotten from different sources. Among this lot there was one which made a remarkable growth and showed qualities as a very free bloomer, and produced good buds on long stems. Not knowing the rose and noticing its good qualities, I told my foreman to propagate all he possibly could from this plant and we would give it a better trial another season. And we were not disappointed in our first impression as to its good qualities as a forcing rose. We at first supposed we had a new rose, but later we found out that it was the Golden Gate.

This rose fills a long felt want and it seems strange that so few have found out its good qualities, although we have had it with us since 1891, when it was introduced. Too much cannot be said in its favor. It is of American origin and it is the largest tea rose grown; often as large as an American Beauty. This rose is the least susceptible to mildew and other

diseases of any forcing rose I know. Any one who can grow roses at all can grow the Gate. We are propagating it largely, expecting to grow it more extensively next season. It is more prolific than the most of our forcing roses of today, and when well done it produces very long canes; we have had them five feet long, but 2 1-2 to 3 feet is an average length. The bud is of good shape, of the Niphetos form, in color a creamy white, with an exquisite shell-pink center. It somewhat resembles the Pres. Carnot, but is a much better producer, always in bloom, and the most lasting bud I know of. I am growing extensively Brides, Maids, Meteors, Perles and others, but this rose as a cut flower brought the highest price of all this winter. And as a garden rose we find it hardy. It has stood our changeable winters here for the last four years and has proved itself to be a first-class rose for garden culture.

I send a photo of a bouquet made from Gates of average length of stem and size of buds.

LEWIS ULLRICH.

Tiffin, Ohio.

SOCIETY OF AMERICAN FLORISTS.

At the recent meeting of the executive committee in Detroit, Harmonie Hall was selected as the location for the convention in August next. The upper hall, size 80x60, will be used for the audience room. It is well lighted on all sides, quiet and admirably adapted for the purpose. The lower hall, 60x70, one flight up, will be devoted to the trade exhibition, which will be under the management of Mr. G. A. Rackham. On the street floor are bowling alleys and other conveniences that will be appreciated.

Subjects for discussion were selected as follows: Rose House Pests and How to Annihilate Them; Soils for Greenhouse Work; A Year's Advancement in Rose Culture and Hybridization; Hybridization of Carnations and Introduction of New Varieties; The Development of Public Patronage in the Flower Trade; The Influence of Public Parks. The evening of the first day will be devoted to a president's reception, as usual. The fourth day will be left open for the bowling, shooting and other recreative features. On the evening of the second day a steamer excursion on the river is planned.

The committee voted to offer the gold, silver and bronze medals of the society for exhibits of new plants and flowers, also a special bronze medal for an exhibit of geraniums in pots, varieties originated or introduced within the past two years. It was also voted that silver medals be offered through and under the management and supervision of a number of the auxiliary and regularly organized horticultural societies for new varieties of plants or flowers introduced during the current year, which shall

be judged superior to existing varieties.

It was decided that anyone desiring to register the name of a living person as a title for a new plant be required to obtain the previous consent of the party. On the subject of a national charter the committee favored united effort to procure such at the next session of Congress.

With one exception the entire executive board was present and the two days of earnest discussion of many matters pertaining to the society's welfare cannot fail to bring about substantial results.

WM. J. STEWART,
Secretary.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.
520-535 Caxton Building, Chicago,
334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/4 page, \$13.50; full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.
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BOSTON.

Review of the Market.

With the rapidly approaching Easter holidays, and the over abundance of dark, gloomy weather, making staples rather scarce, the tendency has been to improve the general tone of the market, and all classes of cut flowers have sold fairly well all the week. Carnations are scarce. Roses in quantity to supply the demand. Bulb stock forms the bulk of goods offered for sale, selling at the average prices.

Roses of the Bride and Maid class are still held at last week's quotations, but will probably be advanced early next week. Beauties are not so much in demand as they have been, the ever-popular Jack and Brunner now being an item in the rose line. Beauties range from \$6 per 100 to \$6 per dozen; Jacks from \$1 to \$2 per dozen. Carnations have ranged high all the week, \$3 per 100 being the asking price for average stock and running from that to \$8 for choicest fancies. The cool weather has been very favorable for the violet growers and quality still holds good; 50 cents per 100 is an average price; bulb stock, ranging from \$2 to \$3 per 100. Lilies, mostly Harrisii, from \$1.50 to \$2 per dozen. Pots are held at 15 cents each bloom, counting everything; Callas, \$1 per dozen; valley, \$2 to \$4 per 100; smilax very scarce, \$3 per dozen.

The Spring Exhibition.

The annual spring show of plants and cut bloom, was held by the Mass. Horticultural Society on March 21 to 24 inclusive, and some fine specimens of plants were shown, but as a whole exhibits were not equal to those of former years, the cut blooms especially being few in number and with no great extent of varieties. Among the craft, the interest centered on the rose and carnation blooms, but competition was not very keen. Prizes, etc., were awarded as follows: For vase 100 blooms, carnations, 1st to M. A. Patten, Tewksbury; 3d to Mrs. E. M. Gill. Twenty-five blooms, crimson, 1st to M. A. Patten, with Mangold. Twenty-five blooms, dark pink, 1st to Wm. Nicholson, with Joost; 2d to M. A. Patten, with same variety. Twenty-five blooms of light pink, 1st to Wm. Nicholson, with Daybreak; 2d to Mrs. E. M. Gill, with same variety. Twenty-five blooms scarlet, 1st to M. A. Patten, with Bon Ton. Twenty-five blooms white, 1st to Wm. Nicholson, with White Cloud; 2d, to same, with Evelina. Twenty-five blooms yellow variegated, 1st to Wm. Nicholson, with Eldorado. Twenty-five blooms white variegated, 1st to Wm. Nicholson, with Bradt; 2d to M. A. Patten, with the same. Mr. L. E. Marquisee of Syracuse, N. Y., was awarded a silver medal for a vase containing some elegant blooms of The Marquis. Mr. Fisher exhibited some excellent blooms of The Lawson. Mr. W. H. Elliott had some very fine Brides and Maids, receiving two first prizes. Mrs. B. P. Cheney obtained 2d for Brides and John McFarland first for a nice vase of Brunners. Chas. H. Souther was awarded 1st for a collection of cut blooms of hybrid perennials. For violets, H. Demaresque was awarded 1st for 100 blooms of Lady Hume Campbell; A. H. Thorndike 2d for 100 blooms Marie Louise; W. L. Minor 1st for 100 blooms any other double, with Imperial; for 100 blooms single, 1st to H. Rand, with Princess of Wales; 2d to Mrs. John L. Gardner, with La France.

The exhibition of plants was more extensive, but was confined to bulb stock mostly, very creditable displays being made by W. S. Ewell, who received several prizes, The Bussey Institute, Dr. G. C. Weld and others. For other plants other than bulbs, Dr. Weld received 1st and 2d for a specimen plant, Indian azalea. For ericas, 6 plants, 3 species, 1st to the Bussey Institute. For specimen orchid, 1st to J. E. Rothwell; 2d to Edward Butler; 3d to L. Whiting. For specimen plant of climbing rose, 1st to C. H. Souther. Collection hardy flowering plants, two prizes to the Bussey Institute. Some nice cyclamens were shown by Dr. C. G. Weld, he receiving first in two entries, and J. S. Baily 1st on single plant. C. H. Souther had some fine specimens of cinerarias of both the older type and Stellata receiving prizes

on both of them. W. A. Manda exhibited Begonia Vernon, the new double flowering type, receiving honorable mention; also receiving a first class certificate for a plant of Oncidium St. Legerianum. Mr. Edward Souther made a fine display of different varieties of orchids, receiving a gratuity.

The News.

Rose growers have been much interested in the Liberty, a vase of which has been in Galvin's all the week. It looks now as though the days of the Jack and Meteor were numbered.

The outlook around the Hub for next season, seems to be very flattering, several growers are making preparations to increase their facilities.

It is rumored that N. F. McCarthy & Co., the wholesalers, have leased the greenhouses of Mr. Thomas H. Meade, at Dorchester, Mass.

Visitors this week are: W. A. Manda, S. Orange, N. J.; Jas. Killen, representing C. H. Joosten, New York; F. L. Atkins, Short Hills, N. J.; L. B. Craw, of the Lord & Burnham Co., New York. P.

CHICAGO.

The Market.

The unfavorable weather has continued and on only one or two days during the past week has the sun showed his face. As a result the supply continues to shorten and prices to stiffen. Outside quotations are pretty sure to prevail generally for Easter and extra grade stock may go higher than the top figures, especially on roses. The commission man will in all likelihood be forced to take advantage of the line "subject to change without notice" that he inserts in his price-lists.

Bulb stuff is going better on account of the shortage of other stock. The lily situation is still uncertain though indications seem more favorable to a fairly good supply.

Most all the growers are off crop with their roses, but Wietor Bros. say they will have a crop about right, in both roses and carnations.

A glimpse into the cool room of Kenicott Bros. Co. on Tuesday disclosed a large quantity of fine stock. "But it's all sold," said Manny Pieser when asked where the shortage was here.

Nearly all the dealers report their supply as already oversold.

Various Items.

The subject suggested for the next meeting of the Florists' Club, to be held April 7, is a review of the Easter trade. At the meeting on April 21 it is expected to have a paper from Prof. Caldwell, of the University of Chicago, on "The relation of bacteria to soils and plant nutrition."

Mr. A. McAdams has been danger-

ously sick with appendicitis but is now convalescing.

James Wilson, formerly of Milwaukee and recently employed here, has gone to Cincinnati to take a position with the Huntsman Floral Co.

Kennicott Bros. Co. report large sales of rooted cuttings of the White Daybreak carnation.

McKellar & Winterson are building a huge ice box 20x14x7 out under the sidewalk. It will largely increase their storage capacity and is about ready for use. They have also given the interior of their place a coat of paint and are in good shape for the Easter rush.

Larry Kelly is now with W. E. Lynch. Mr. Lynch has leased the entire floor and will spread out to some extent.

Mr. S. W. Pike, St. Charles, Ill., was a recent visitor.

A consignment of 1,500 Brides and Maids and 200 Beauties received by E. C. Amling from the South Park Floral Co., of New Castle, Ind., last Tuesday evening, was of a uniform high grade that would be hard to beat. We never saw a better lot of stock. Many of the Maids had stems over 40 inches long and the foliage perfect. Most of the Beauties had five foot stems, strong enough to use for fish poles and with every leaf perfect, and a large fine bloom. The grower of this stock is to be warmly congratulated.

Bowling.

The last of the series of the 24 medal games were played at the alleys last Friday evening with results as follows:

	1st.	2nd.	3d.	4th.	Av.
Geo. Asmus	150	173	136	195	163
P. J. Hauswirth	111	163	170	133	144
E. F. Winterson	143	...	...	...	143
Jno. Degnan	143	123	177	124	141
G. L. Grant	115	164	126	150	136
A. Henderson	107	112	163	152	133
W. Kreitling	120	98	134	111	115

In the grand average for the series Geo. Asmus is an easy winner with an average of 153, J. S. Wilson standing second with an average of 140. The following is a tabulation of the results, covering only those who played 16 or more games and were thus entitled to consideration. Fractions have been omitted for convenience' sake. Where scores have the same number of units the one having the larger fraction is given precedence as to position:

	Total.	Games.	Av.
Geo. Asmus	3692	24	153
J. S. Wilson	2672	19	140
G. L. Grant	2140	16	133
P. J. Hauswirth	2532	19	133
E. F. Winterson	2325	18	129
C. W. McKellar	2153	17	126
A. Henderson	3038	24	126
W. Kreitling	2275	20	113

POT HANGER.

We present herewith an engraving of a wire pot hanger largely used at the greenhouses of H. A. Dreer, Riverton, N. J. It is remarkably simple, inexpensive and effective.

It is made of No. 10 galvanized wire.

The loop fits snugly over the rim of the pot and owing to the spring in the wire at the top the greater the weight the tighter the grip. At the same time the hanger can be removed with but a slight pull when grasped near to the pot. It can be readily and rapidly made by anyone handy with the nippers, and will last a long time.

At Dreer's thousands of 4 and 5-inch pot ferns are suspended from the roofs of the fern houses. It not only economizes room but the suspended plants make the best specimens, having light and air all around them and no danger of the ends of the fronds being dam-



Pot Hanger.

aged by lying on the benches, while no apparent injury is done the ferns below. Of course extra care is necessary in watering the suspended plants, which dry out more rapidly than those set on the bench.

In most cases the pots are hung on a length of half-inch pipe suspended from the rafters. This makes it possible to place the plants just as far apart as desired and to spread them as needed.

At first glance one doubts whether the hanger is safe, and is inclined to think that the grip will not be apt to hold much weight. In testing it for strength we found that the grip was about the strongest thing we had ever met. Two strong men tried their hands at pulling the hanger and pot apart, but had to give it up. The point seems to be in the spring from the curve in the wire overhead, which makes the grip tighter as weight is added. It is a little wrinkle in mechanics that is very effective in the case of this hanger.

ST. LOUIS.

The Market.

There is a good deal of speculation as to Easter supply, and the main talk is on Harrisliis. Some of the best informed have visited most of the growers and estimate the output will be less than 5,000, if such is the case plants will be very scarce and of course cut blooms likewise. The chances are the prices will go up to \$3 per dozen early in the week; at present writing they are selling at \$2.

Things are very quiet just at present. Stock is decidedly more plentiful and although no actual glut still the supply in some varieties is more than can be disposed of to the regular trade. The street and store fakirs are buying quite heavily and clean out a lot of stuff not salable to the regular trade.

Easter prices will take effect Wednesday and as expected, prices will be high. Beauties, fancy, long, price will be \$4 to \$6 per dozen with short stuff \$1 to 3; select Meteors, Maids and Brides \$6 to \$8; seconds \$4 and \$5. Perles and Woottons \$4 to \$6. Carnations have been very fine in quality of late with demand good. Price for fancy will advance to \$5, common \$2 and \$3. Bulb stuff, plentiful, and from appearances will be in good supply for Easter. Good valley will bring \$4 and \$5; tulips, Narcissus, Dutch and Roman hyacinths \$3 and \$4; daffodils \$2 to \$3; Callas \$12.50 and \$15; Harrisli \$2.50 and \$3 per dozen. Smilax is very scarce, good strings selling as high as \$3 per dozen; asparagus 50 cents per string; common ferns \$2 per 1,000.

Plant trade during the past week was pretty lively, especially on Saturday, as the weather was mild. Sunday we had 2 inches of snow and quite cold. If this continues the balance of the week it will have a bad effect on Easter plants.

Notes.

C. S. Ford, Jr., representing Hermann & Co. and Siebrecht & Son, New York, and P. G. Craig with J. W. Sefton, Chicago, were in town last week selling supplies.

Mrs. M. Ayers the Grand avenue florist is poorer by \$30 through cashing two \$15 worthless checks for one Baron Greenbaum. He had a hearing last Wednesday and was given time to leave the city. He left for Chicago the same night.

Mrs. Bissner 1523 Cass avenue, sold out her floral store to Grim & Gorley, who will continue the business. Neither party is familiar with the business.

Mr. J. Costello has opened a flower store at 1103 Park avenue. Mr. Costello has his undertaking and blacksmith business on each side of the store; knows nothing of the florist business.

The West End florists are now having a taste of the fakir trade. One has opened a store on Grand Avenue. On the north side of him is George Walbart and on the south side of him is Mary Ostertag and Mrs. Ayers.

Heartfelt sympathy was expressed by the club on hearing of the death of Chas. Longinotti at Philadelphia, whom we learned to know and like at Omaha last summer.

Bowling.

Owing to the snowstorm only seven members rolled Monday night. Scores were as follows:

	1	2	3	4	5	To.	Av.
Beneke	131	152	116	225	136	760	152
Kuehn	158	153	121	165	128	725	145
Sanders	156	138	154	121	...	569	142
Kunz	147	168	123	124	135	706	141
Finlayson	117	139	140	137	135	668	135
Young .. .. .	...	112	116	150	137	575	128
Weber	105	145	103	133	112	598	119

The March series ended last Monday night. Seventeen games were rolled during the month. C. A. Kuehn wins the medal, with an average of 165 in 17 games. J. J. Beneke wins the lucky medal by making the highest single game of 225. Next Monday night the April series starts. All members are expected to attend as a prize will be offered for the best average during the month. The scores are as follows:

	No. G.	Tot.	Av.	H.S.
C. A. Kuehn	17	2810	165	211
Carl Beyer	4	606	151	164
J. J. Beneke	14	2010	144	225
C. C. Sanders	3	1116	139	178
D. Finlayson	3	1078	125	156
J. W. Kunz	17	2244	132	170
F. C. Weber	14	1825	130	222
John Young	15	1868	124	153
F. J. Fillmore	4	464	116	142
R. F. Tesson	3	311	104	110

J. J. B.

BUFFALO.

Easter Prospects.

We are shivering in our overalls, not because it is cold, but the prospects are none too favorable; 8 below zero at Medicine Hat, N. W. T., this morning. Let that cold streak travel north of Lake Ontario we pray thee. Canadians can stand fridity, but if it blows and freezes next Friday and Saturday we will dispose of our equity in our small estate, take ship for Porto Rico and raise healthy lilies. From the way business is starting this early in the week there is every prospect of a good sale of plants, and it is already evident that every flowering plant will go. The articles that have appeared in the New York papers as well as the local papers about the famine in lilies, have prepared the mind of the prospective buyer to believe that a dollar a bud would have to be put up. When they are told in reply to the frequent inquiry: "What's lilies going to be?" "Twenty-five cents a bud, sir," they appear as if a great load was off their mind, as if a friend had discharged their mortgage or their mother-in-law had passed peacefully away.

Business Changes.

There have been frequent rumors of changes in store locations of late, but most of them have decided to renew their leases, and the only important move will be that of S. A. Anderson, who at present is finely located, but an exorbitant and absurd raise in rent will be the cause of his coming higher up Main street, in fact, within two doors of Wm. Scott, near Rebstock, and close to Thrall. This now fine block used to be known as Bicycle Row, but since the advent in the block of the most aristocratic dry goods store, bicycles have sought cheaper rent, and now it will be known as Florist Row. Row, brother, row; the time flies fast. The profits are small and you can't live fast. Miss Katie Beyer, many years with Joseph H. Rebstock, is now leading lady for W. A. Anderson, and from what I hear, both employer and employe are mutually pleased.

Handsome Window Display.

We have had quite a fine carnation show in town last week, and it was in the handsome window of W. J. Palmer & Son. In the two or three days of their first appearance thousands stopped to gaze at their varied beauty. The whole window was devoted to carnations and not crowded, each handsome vase showing off in its individual character. In the center of course there were two dozen Mrs. Lawson, with the mythical price attached. The sample of this Massachusetts masher was not a whit better than those exhibited farther up the street the week before and to which I made some allusion in a previous letter. As Mr. Palmer, Sr., and your correspondent were discussing the merits of the several varieties, it was amusing to hear the remarks of some of the by-standers. "Gosh, Palmer must be well fixed to give \$30,000 for those

[Continued page 454.]

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

FOR RENT OR SALE—First class retail stand, 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

FOR SALE—Retail store, with greenhouse attached; excellent opportunity for good up-to-date man; reason for selling, ill health. Address Western, care of Florists' Review.

WANTED—A good A1 market gardener, well up in celery growing. State lowest wages expected with board. Address Gardener, care of Florists' Review.

SITUATION WANTED—As foreman, by a first-class grower of roses and cut flowers; good propagator and general plantsman. Open for engagement to suit employer. Single. Best of references. Address Foreman, care of Florists' Review.

SITUATION WANTED—By a first class grower of roses, carnations, chrysanthemums and general stock; capable of taking charge; employed at present but has good reason for desiring to make a change; best of references; age 29, single. Address 15, care Florists' Review.

SITUATION WANTED—By a married man, age 38, as gardener in a private place; can grow grapes under glass, and roses, carnations and mums, fruits and vegetables; in a place where 3 or 4 greenhouses are kept; life experience in the old country; good references; sober and industrious. Address J. S., care of Florists' Review.

SITUATION WANTED—By a good all around florist; grower of roses a specialty; carnations and general stock; good propagator; 23 years' experience; single; best of references. Address R. S., care of Florists' Review.

SITUATION WANTED—Assistant Gardener, young man, 18 years, wishes position on private estate, with opportunity to advance, three year's experience in large commercial place; excellent references. Address Ambitious, 21 Ege Ave., Jersey City, N. J.

SITUATION WANTED—A first class florist and decorator, at present employed by one of the most progressive and up to date florists in the country, wishes to make a change. Full particulars may be had by addressing G. W., care of Florists' Review.

SITUATION WANTED—A young man, 21 years of age and single, desires employment in or near Philadelphia, in greenhouses or cut flower store; 7 years' experience as assistant in greenhouse and cut flower store. A full statement given in what he is most experienced and what he is capable of doing, very best of reference. Address H. C. H., care of Florists' Review.

FOR SALE—A fine farm with improvements; also nursery with well established trade, located in the Chattanooga Fruit Belt. Address E. F. Wetmore, Ogden, Tenn.

A BARGAIN! A good chance for the right man.
Retail Floral Store on one of our side business streets for sale at a bargain. Don't write unless you mean business. **WM. F. KASTING,**
495 Washington St. **BUFFALO, N. Y.**
Mention The Review when you write.

WANTED.

A working foreman. Must be a good cut flower grower, particularly of Roses, Carnations and Mums.

CRABB & HUNTER,
Grand Rapids, Mich.

BUSINESS OPPORTUNITY. A rare opportunity is open to a hustling business man with some capital to get into a well established and profitable business. A chance of a life-time. Those meaning business may obtain particulars by addressing

ROX, care of Florists' Review.

FOR SALE.

On account of poor health I want to retire from the greenhouse business, and now offer my **Greenhouse Establishment for sale**, which is one of the best paying and one of the best arranged greenhouse plants that can be found anywhere in a city of 10,000 people. No opposition and only 20 miles from St. Louis, where you can realize a better and bigger profit on the price I ask than you possibly can make anywhere else with less labor and expense.

Write for full description if you mean business. Address

MISSOURI, care of Florists' Review.

CLEMATIS. Large flowering, either dormant or growing in pots, strong, healthy, home-grown plants, 10 leading sorts, \$2.50 per dozen, \$20.00 per 100.
Downing Gooseberry, 25,000 1 and 2 yr., very low.
H. P. Roses, leading kinds... \$1.50 doz., \$10 per 100.
Monthly Roses, 4-in., fine plants 1.00 " 8 "
Paeonies, best market sorts... 1.25 " 8 "
Smilax, strong, fine plants, 3-inch..... 2 "

F. A. BALLER, Bloomington, Ill.
Mention The Review when you write.

E. G. HILL & CO., RICHMOND, IND.

EARLY CHRYSANTHEMUMS
in fine stock and large quantity.

Lady Fitzwygram, finest early white,
\$3.00 per 100.

Mme. Bergman, Glory Pacific,
Geo. S. Kalb, all at \$2.50 per 100.

Mlle. Lucie Faure, grand new White of
"Bonnaillon" type,
\$12.00 per 100.

Polly Rose, White Glory of the Pacific,
\$20.00 per 100.

CARNATIONS.

Grand America, for April delivery, per-
Cuttings of fect stock, \$10 per 100.

Flora Hill, Jubilee, Daybreak, Victor,
at \$1.50 per 100.

Finest Strain of.....CYCLAMEN

in America, in separate colors, 2-in. pots, clean
and unchecked, ready in April, \$1 per 100.

New Roses, Admiral Dewey, \$30 per
100; Maid of Honor,
\$15 per 100.

Bride, Bridesmaid, White Bougero,
Muriel Graham, C. Souper,
Marie Guillot, Pink Souper,
White La France, Mosella,

Fine stock, in large quantity, \$2.50 per 100.

12 finest New Geraniums of the year
for \$3.00.

3 New Bruants for 75 cents.

Extra well grown stock of Asparagus

Plumosus, \$5 per 100; Sprengeri, \$5 per 100

E. G. HILL & CO.

Mention The Review when you write.



Palms and Ferns

The Largest Stock of
Plants in the West.

Send us your name
and we will keep you
posted when we have anything special to offer.

GEO. WITTBOLD, 1708
N. Halsted St. CHICAGO.

Mention The Review when you write.

H.W. BUCKBEE Seed Specialist,

Rockford Seed Farms.

Forest City Greenhouses.

Lock Box 911.

ROCKFORD, ILL.

Special Prices Upon Application.

Mention The Review when you write.

The Cottage Gardens,

C. W. WARD, QUEENS, L. I.
Manager.

WHOLESALE GROWERS

FLORISTS' SPECIALTIES.

Mention the Review when you write.

Always mention the Florists' Review when
writing advertisers.

Clear Cypress Greenhouse Material.

This *with us* means the best growth of Cypress Lumber and
the best grade of that growth; and from this grade all the sap—
bright sap, which only experts can detect—as well as stained sap,
knots and other defects cut out. Others do not equal our quality
if they do beat our prices. It is not hard to see the reason: You
can not buy gold dollars at fifty cents each. Experienced growers
know that the best is not too good and cheapest in the long run.

Write for Circulars
or Estimates.

Lockland Lumber Co.,

LOCKLAND, O.

The New York Market Florist Association

A. D. ROSE, SEC'Y.

Market open for business March 18, at CLINTON MARKET,
Cor. of CANAL AND SPRING STS., NEW YORK CITY.

General line of SPRING BEDDING STOCK and EASTER PLANTS

Mention the Review when you write.

FELTHOUSEN Wants Room.

Read this and let us hear from you.

Remember, our Geraniums are grown in flats
and in soil. Our selection \$1.50 per 100, \$12.00 per
1,000. Rose Geraniums, \$2.00 per 100. Ageratum,
blue and white, 60 cents per 100, \$5.00 per 1,000.
Fuchsias, standard sorts, \$1.50 per 100, \$12.00 per
1,000. Fever Few, Little Gem, from flats and in
soil, \$1.25 per 100, \$10.00 per 1,000. Salvia Splen-
dens and Bedman, \$1.00 per 100. Heliotrope, six
varieties, \$1.00 per 100, \$9.00 per 1,000. Vinca
Variegata, cuttings, \$1.25 per 100, 4-in. stock, fine,
\$8.00 per 100, \$50.00 per 1,000. Coleus, all the best
varieties. C. Verschaffeltii and Queen, 75 cents
per 100, \$8.00 per 1,000. Coleus, in variety, 60 cts.
per 100, \$5.00 per 1,000. The above are Rooted
Cuttings, except when noted.

Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y.
Mention The Review when you write.

Hardy Plants.

	Per 100.	1000.
Helianthus giganteus	\$3.00	\$20.00
Clumps..	6.00	50.00
Helenium aut. superbum	3.00	20.00
Clumps..	6.00	50.00
Boltonia Latisquamae	3.00	20.00
Clumps..	6.00	50.00
Veronica l. subsessilis Ex	6.00	50.00
Clumps.....		

250 at 1000 rate. Send for list.

REA BROTHERS, - Norwood, Mass.

Mention The Review when you write.

Brilliant Green and Bronze

Galax Leaves

CHAS. H. RICKSECKER, Linville, Mitchell Co. N. C.

Mention The Review when you write.

BABY PRIMROSE.



The newest thing for
Easter Blooming.

Flowers in thumb pots;
grows rapidly, 6-in. pot,
carry 50 to 100 sprays of
rosy flowers, 12 to 18 in.
long; lasts 4 weeks when
cut and wholesale at \$2
per 100; grows finely in
cool house; perpetual
bloomer. 12 for \$1.50,
\$10 per 100, express
prepaid.

New Fragrant \$1000
CALLA.

Very dwarf and free
bloomer, has the fra-
grance of violets and
lilies, \$1 and \$2 per 12,
\$6 and \$12 per 100,
mailed.

Asparagus Sprengeri.

2-in., 24 for \$1.50, mail-
ed; \$4 per 100, express. 3 1/2-in., 24 for \$2.50, mailed;
\$7 per 100, express.

A. BLANC & CO., Philadelphia.

Mention The Review when you write.

ROSES 50,000 Dormant. OWN ROOTS, FIELD GROWN.

IN COLD STORAGE, CHICAGO.

Leading varieties Hybrid Perpetuals, No. 1,
cut back to 24 to 30 inches, 8 or more branches,
\$75.00 per 1000. Hardy Climbers and Mme. Plan-
tier, \$35.00 per 1000. Marechal Neil, \$75.00 per 1000.
Yellow Rambler, \$50.00 per 1000. Some varieties,
one size smaller, at special prices.

List of varieties upon application. Address—

W. F. HEIKES, MANAGER,

1308-1310 Unity Building, CHICAGO, ILL.

Mention the Review when you write.

flowers." "Well, I don't believe it," and several more remarks more pointed than poetical. Then there were grand vases of Mrs. Bradt and magnificent home-grown vases of Daybreak, Meteor, Triumph, Flora Hill, a pink sport of Daybreak, Mrs. Joost and Armazindy, but what took the cake was a vase of The Marquis. It not only took the first place in the eye of the florist, but every one who spoke of it said, "That's my flower." It is certainly a beauty in every respect and if it is the bearer, which reliable testimony says it is, then Mr. Marquisee has a little fortune ahead. Mr. M. deserves success with his wonderful pink for the handsome way he has named it. True, everybody can't abbreviate their name and leave the remnant a title of nobility, "a marquis, duke or a that." But its a grand example to set. How noble it sounds compared with "Mrs. Mary Ann Snooks," or the "Hon'l Hickory Abner Hotstuff," etc. Liberty is ten times a better name for a rose than Admiral Dewey, great as the man and his namesake, the rose, may be.

And now goodbye. I hope you will all be blessed for a week at least with a cool and placid mind, that your temperature will remain at the normal 98 and your atmospheric surroundings will be about 55. W. S.

BERMUDA FLOWERS.

The Bermuda growers have evidently not given up their practice of burning the candle at both ends. We have come into possession of a circular issued by Vandegrift & Co., custom house brokers, New York, Philadelphia and Chicago, in which orders are solicited for boxes of Bermuda grown lily buds for Easter, each box to contain "five dozen choice buds." Prices quoted include delivery and range from \$3 a box delivered in New York City up to \$5.80 delivered in the state of Washington. March 29 is given as the "last day orders for the growers at Bermuda can be received to insure delivery before Easter."

As these flowers are nearly always too far gone when received to be of any use probably no harm is done the trade, but the anxiety of the Bermuda grower to pick up a few extra dollars, even at the risk of destroying what is left of his bulb trade, is worthy of note. The candle has been so well burned already that there is not much left to burn, but the remains are blazing right merrily.

A. L. VAUGHAN,

19-21 Randolph Street, - - CHICAGO.
Western Agent for
HAGENANN & MEYER, of Philadelphia.

* Bulbs and Azaleas *

Parties will do well to write for prices at once.
Mention the Review when you write.

Always mention the Florists' Review when writing advertisers.

REINBERG BROS.

Wholesale
Growers of

Cut Flowers

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.

51 Wabash Ave., CHICAGO

Mention The Review when you write.

100,000 VERBENAS,

THE CHOICEST
VARIETIES
IN CULTIVATION....

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

{ No Rust or Mildew.
Packed Light and
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention The Review when you write.

DAHLIAS

By
the
Tens
of
Thou-
sands.



My prize winners carried off the highest National honors yet awarded the Dahlia—a diploma and gold medal at the Omaha Exposition. Get my catalogue before ordering elsewhere.
Box 382. W. W. WILMORE, Denver, Col.

Mention The Review when you write.

ANTON SCHULTHEIS, P. O. Box
College Point, Queens Borough, N. Y.
HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity

Come, see Ericas (Heather), also Full
and convince yourself. Line of Other Flowering Plants
Price List on Application.

Mention The Review when you write.

Asparagus Plumosus Nanus.

Per 100.
1000 Asparagus Plumosus Nanus, 4-in. pots, \$15.00
1000 " " " 5 " 18.00
200 " " " 7 " 25.00
300 " " " 8 " 35.00

Asparagus Seed, home grown, \$1 per 100, \$9 per 1000
Write for prices on Carnation Cuttings.

W. F. Kasting, 495 Washington St. Buffalo, N. Y.

Mention The Review when you write.

Easter Price List.

AMERICAN BEAUTY		
Extra long stem...per doz.	\$5.00 to	\$6.00
24-inch stem.....	3.50 to	4.00
20 " " " " " "	2.50 to	3.00
15 " " " " " "	2.00	
12 " " " " " "	1.50	
8 " " " " " "	1.00	
METEOR.....per 100,	6.00 to	\$8.00
BRIDESMAID.....per 100,	\$6.00 to	\$8.00
BRIDE.....	8.00 to	10.00
PERLE.....	5.00 to	5.00
CARNATIONS.....	4.00	
" " " " " " fancy.	5.50 to	8.00
Roman Hyacinths....	3.00 to	4.00
Valley.....	4.00 to	5.00
Daffodils.....	3.00 to	4.00

Quotations subject to change without notice.
All other stock at lowest market prices.

600,000
FEET
OF
GLASS.

No
charge
for
packing.

The Imperial Violet.

Number of plants in full bearing, 2,970	
No. of No. 1 Violets picked in October.....	30,500
" " " " " " November.....	36,500
" " " " " " December.....	39,000
" " " " " " January.....	23,595
" " " " " " February.....	33,500

Average per plant of No. 1 blooms, almost 57

Isn't this a pretty good record? And for these I received from \$2.50 to \$1.00 per 100. Can you equal this? And the plants are still throwing as many flowers, if not more than ever.

I cannot begin to supply the demand for this superb violet; the way things look now, I shall not be able to supply the demand for rooted cuttings. If you get left, you will only blame yourself. My new book on Violet Culture goes with every order for cuttings.

The violet is the largest, most double, longest stemmed, color so dark as to look almost artificial; healthy; and as the record shows, a very free bloomer. The parent plant of this magnificent variety gave me 118 of the finest flowers you ever saw.

Price per 1,000...\$90.00 Per 100.....\$10.00
per 500.... 45.00 Per dozen.... 1.50

Rooted Cuttings will be delivered as the weather will permit. Now ready, about 5,000. Address

W. L. MINOR, 588 Belmont St.,
BROCKTON, MASS.

Mention the Review when you write.

ORCHIDS....

To arrive beginning of April--

Laelia Anceps, L. Anceps Alba,
and L. Autumnalis.

Lager & Hurrell, Growers and
Importers.... Summit, N. J.

Mention The Review when you write.

Chrysanthemums

Our collection of Novelties for '09 is very complete, including

INDEPENDENCE, the earliest white, **MRS. FRED L. BUTTON**, the early white from California, and **YELLOW IVORY**, as well as all others.

Also a full line of **STANDARD VARIETIES**. For description see our catalogue, free on application.

NATHAN SMITH & SON,
ADRIAN, MICH.

Mention The Review when you write.

And Still They Come!

SAVANNA, ILL., March 15, 1899.

SOUTH SIDE FLORAL CO.
Dear Sirs:—The Verbenas received were so exceptionally fine that I am tempted to try some of your other stock. Please send the following:

J. Y. LAMBERT, Savanna, Ill.

SMILAX. Extra strong, bushy seedlings, as large as the average 2-inch pot plants, 50c per 100, \$4 per 1000, delivered. Now is the time to buy your Smilax and save a large expense in freight. We can supply any quantity on a day's notice.

VERBENAS—New Mammoth, rooted cuttings, 60c per 100, \$5 per 1000.

PETUNIAS—Dreer's Double Fringed, rooted cuttings, \$1 per 100, delivered.

NEW GOLDEN MARGUERITE—Rooted cuttings, \$1 per 100.

ROSE and CARNATION Cuttings now ready, clean, healthy stock, well rooted, at lowest prices quoted. Send for our lists and save money.

Terms—CASH WITH ORDER.

SOUTH SIDE FLORAL CO., - Springfield, Ill.

Mention The Review when you write.



FIRST QUALITY... Dagger Ferns.

\$1.50 per 1000; Fancy, \$2.00 per 1000.

Galax Leaves, bronze or assorted, \$1.00 per 1000. **Laurel Festooning**, \$5.00 per 100 yards. Fine bunched Laurel, 50 cents per bunch.

All orders by wire or mail promptly filled.

CROWL FERN CO., 27 Beacon St., BOSTON, MASS.

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CHRYSANTHEMUMS.

Good, strong, healthy stock of the following well-known varieties:

Mme. G. Bergmann	Rose Owen
Ivory	Eugene Dailledouze
The Queen	Wm. H. Lincoln
Mrs. Jerome Jones	Col. W. B. Smith
Etoile de Lyon	Mrs. J. G. Whilldin
Miss Minnie Wanamaker	V. H. Hallock
Golden Wedding	Maud Dean
Niveus	Chillingfordii
Minerva	Geo. W. Childs
Liberty	Bessie Burton
Bonnaillon	Modesto
Mrs. J. J. Glessner	Mrs. Murdock
Belle of Castlewood	J. G. Woodford

from 2½-in. pots, \$2.00 per 100; per 1000, \$15.00

Cannas, good variety named \$2.00 per 100 mixed 1.00

Nymphaea Odorata Gigantea, strong roots 3.50

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Review when you write.

Always Mention the....

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When Writing Advertisers.

CARNATIONS. CHRYSANTHEMUMS.

New and Standard Varieties.

Our Price List is teeming with new and good things. Send for it.

The stock we send out is a source of satisfaction to our customers and pride to ourselves.

Don't wait too long; some varieties are already very scarce.

H. Weber & Sons, - Oakland, Md.

Mention The Review when you write.

Dahlia Camelliaeflora...

Illustrated in Florists' Review January 26, 1899, and in Florists' Exchange August 13, 1898.

Awarded by the American Institute of New York a Diploma on pot plants of Dahlia Camelliaeflora and a First Class Certificate on Cut Flowers of the Dahlia Camelliaeflora.

This variety is particularly good for Spring sales as pot plants and is an abundant bloomer, valuable for cut flowers, and does not exceed two feet in pots or in field. The blooms are bold, clean cut, pure white, with very full center. Good, strong plants out of 2½-in. pots, \$1.50 per doz.; \$10.00 per 100. Will be in best condition for delivery April 10th. Orders booked now and filled in rotation. Cash with order.

A. L. MILLER, Jamaica Ave., Brooklyn, N. Y.

Mention the Review when you write.

Some Things You Want....

AGERATUM, blue and white dwarf,	Per 100
covered with Cuttings, 500, \$5.00	1.50
HARDY PHLOX, 10 distinct varieties, 2-in. pots	2.50
FUCHSIAS, 6 varieties, 2-in. pots	2.00
GIANT PEARL MARGUERITE, 2-in. pots	2.00
RUDBECKIA, 8½-in. pots	4.00
STATICE ARMERIA, 3½-in. pots	3.00
BEGONIAS, 6 varieties, 2-in. pots	2.00
ACHILLEA, the Pearl, 2-in. pots	2.00

Enough extras added to more than pay expressage. **Cash, please.**

EDWARD B. JACKSON, Stamford, Conn.

Mention The Review when you write.

Hardy Perennials.

Clematis Davidiana, strong, 1 year	Per 100
Eulalia Gracillima Unvittata and Jap.-Variegata	4.00
Funkia Alba	4.00
Hemerocallis flava	4.00
Hollyhocks, double, separate colors, per 1000, \$40.00	5.00
Helianthus Multiflorus Plenus and Soliel d'Or	4.00
Hibiscus, Crimson Eye	5.00
Iris Germanica	2.50
Perennial Phlox, fine collection	5.00
Pinks, strong clumps	5.00
Paeonies	8.00
Rudbeckia Golden Glow, per 1000, \$30.00	4.00
Spiraea Polmata Elegans	4.00
Yucca Filamentosa, 2 years	8.00

All of the above are strong, field-grown stock.

VICK & HILL CO., ROCHESTER, N. Y.

Mention The Review when you write.

PURPLE BEECH.

A fine lot of low branched seedlings, 5 to 6 feet high, several times transplanted, \$9.00 per doz. River's Purple Beech, grafted, trimmed up, 8 to 9 feet, \$12.00 per doz.

A valuable descriptive catalogue and wholesale price list of large assortment of Ornamental Nursery Stock for all in the trade. **SAMUEL C. MOON,**

Florrisville, Bucks County, Pa.

Mention The Review when you write.

Platycerium Grande.

Mounted on 6-inch cork, by mail, 50 cents each.

See Florists' Review, March 18th.

FRED BOERNER, - Cape May City, N. J.

Mention the Review when you write.

ESTABLISHED 1802

THORBURN'S SEEDS

COCOS WEDDELIANA at \$7.50 per 1,000

LATANIA BORBONICA at 50c. per Lb.

Asparagus Sprengeri at \$6 per 1000 seeds

Anemone, Finest Caen Mixed, at \$3 per lb.

J.M.THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Mention The Review when you write.

CHEAP- ASPARAGUS SPRENGERII.

Fine young plants, out of 2-inch pots, \$3.50 per hundred, \$35.00 per thousand.

Mrs. Elizabeth Kuntz, 352 SOUTH FIRST STREET, FRANKFORT, IND.

Mention The Review when you write.

HALES' MOLE TRAP

For destroying ground moles in lawns, parks, gardens and cemeteries. The only PERFECT mole trap in existence. Guaranteed to catch moles where all other traps fail. Sold by Seedsmen, Agricultural Implement and Hardware dealers, or sent by express on receipt of \$2.00, by

H. W. HALES, RIDGEWOOD, N. J.

Mention The Review when you write.

E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention the Review when you write.

GRAND RAPIDS.

The weather continues cold and there is still 4 inches of snow. Most of the florists will miss Easter on lilies, Crabb & Hunter being the only one having a large crop in full. Carnations are remarkably scarce, roses will be plentiful, bulb stock sufficient to meet the demands. Violets are starting on their down-hill journey, although they are still plentiful. Potted plants are plentiful, and the hope is they may be sold out close. Church decorations promise to be quite elaborate this year and the prospects of a good Easter fine, all but the weather.

Club Meeting.

The Florists' Club held a meeting March 21st at the residence of James Schols. It was a 15th wedding anniversary and to commemorate the notable occasion a rocking chair and water set were presented the happy pair. After partaking of a banquet a meeting was held. A paper on roses was read by Henry Van Velde, and thoroughly discussed. He advocates May planting, uses as a mulch a mixture of wood ashes, bone meal and sheep manure thoroughly stirred in, and applies no liquid. Next meeting will be on Easter flowers. G. F. C.

SEND IN your vote on the awards in our prize competition now. The ballot will close April 8.

**Cincinnati
Cut Flower Co.**W. A. MANN.
FRANK W. BALL.416 Walnut St. **Wholesale Florists**
CINCINNATI, O.Consignments Solicited.
Special Attention Given to Shipping Orders.
Mention The Review when you write.

WHOLESALE FLORIST,11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.

Mention The Review when you write.

S. B. WINTER,

Telephone Main 4580.

21 Randolph Street, CHICAGO.

COMMISSION HANDLER OF

High Grade Cut Flowers

GROWERS OF GOOD STOCK....

Can Secure the Best and Quickest Returns by Consigning to us.
EASTER PRICE LIST.—Subject to Change without Notice.**ROSES**

American Beauties, long....	per doz.,	\$5.00—	\$6.00
" " medium " "		2.00—	4.00
" " short " "		1.00—	1.50
Meteors, Maids.....	per 100,	6.00—	8.00
Brides.....		6.00—	8.00
Perles.....		4.00—	6.00
Roses, seconds, average		5.00—	

CARNATIONS

Fancy varieties.....	Per 100	\$5.00—
Ordinary varieties, extra quality.....		4.00—

MISCELLANEOUS

Freesia.....	per 100,	\$2.00—
Callas.....	per doz.,	2.00—
Harrisii.....	per 100,	15.00—
Romans.....		3.00—
Narcissus.....		3.00—
Daffodils.....		3.00—
Tulips.....		3.00— 5.00
Valley.....		4.00— 5.00
Violets.....		.75— 1.00

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Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of **CUT FLOWERS**
and Dealers in

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.

Our prices are as low as any
and our stock superior.
We ask for a trial order.

Mention The Review when you write.

A. L. RANDALLTelephone
1496**Wholesale Florist**

4 Washington St., Chicago.

In our new and enlarged quarters we are better
prepared than ever to handle your orders.
Mention The Review when you write.WHOLESALE GROWER OF ROSES. DEALER IN
CUT FLOWERS.**J. A. BUDLONG,**37-39 Randolph St., CHICAGO, ILL.
Mention The Review when you write.

F. F. BENTHEY, MANAGER.

BENTHEY & CO.,
Wholesale and Commission
FLORISTS,

41 Randolph Street, CHICAGO.

Consignments solicited.

Mention Florists' Review when you write.

C. A. KUEHN **WHOLESALE
FLORIST**

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral
Designs. A full line of supplies always on
hand. Write for catalogue and prices.**1122 PINE STREET, ST. LOUIS, MO.**

Mention Florists' Review when you write.

**H. G. BERNING,**(Successor to
St. Louis Cut Flower Co.)**WHOLESALE
FLORIST,****1322 Pine Street,
ST. LOUIS, MO.**

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ELLISON & TESSON,

WHOLESALE SHIPPING

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

...Home Grown Stock...

Mention The Review when you write.

C. W. WORS,

2740 Olive Street, - - ST. LOUIS, MO.

Flowers at Wholesale

ROSES, and a full line.

Headquarters for the Southwest.

Mention The Review when you write.

**Maplewood Cut Flower and
Plant Co.** GEO. M. KELLOGG, Pres.Growers of **CUT FLOWERS** at Wholesale.Regular shipping orders given special attention. We
have the largest plant west of Chicago.Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.

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When Writing Advertisers

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES,

42 and 44 Randolph St., Chicago, Ill.

Long Distance Telephone Central 466.

Store Open Until 6:30 P. M.
week Days.

Until Noon Sundays and
Holidays.

Carnation White Daybreak

This is the fine white sport of Daybreak that originated with Mr. P. M. Broadbeck. We have sold the flowers for several years and know it to be a good thing, and a money-making sort for the grower. Mr. Broadbeck is now prepared to disseminate it. Orders may be sent to us or direct to Mr. P. M. Broadbeck, Cullom and Clark Sts., Ravenswood, Chicago.

**Rooted Cuttings,
\$12.00 per 100.**

EASTER PRICE LIST.

SUBJECT TO CHANGE WITHOUT NOTICE.

We always ship extra select or high grade goods unless otherwise ordered.

P. AND D. AT COST.

BEAUTIES.....	\$1.00 to \$2.00 per doz.	
" Fancy, fair length.....	3.00 to 4.00	"
" long.....	5.00 to 7.00	"
METEORS, select.....		\$ 8.00 to \$10.00
MAIDS and BRIDES, select.....		8.00 to 10.00
METEORS. MAIDS, BRIDES, good average.....		6.00 to 8.00
ROSES (our selection), seconds.....		5.00
PERLES.....		5.00 to 7.00
CARNATIONS, select.....		3.00 to 4.00
" good average.....		2.00 to 3.00
" white.....		3.00 to 5.00
VIOLETS.....		.75 to 1.00
VALLEY.....		4.00 to 5.00
TULIPS, double.....		3.00 to 5.00
" light pink, Klehm's Novelty.....		4.00 to
" single.....		3.00
DAFFODILS.....		2.00 to 3.00
NARCISSUS.....		3.00 to 4.00
FREESIA, ETC., ETC.		
CALLAS.....		12.50 to 15.00
HARRISII.....		12.50 to 15.00
MARGUERITES, white.....		.60 to .75
SMILAX, scarce.....		15.00 to 20.00
ADIANTUM.....		1.00
ASPARAGUS.....	per string, \$0.50 to \$0.65	
COMMON FERNS, per 1000, \$2.00.....		.25
GALAX.....	1.50	.20

Special Offer.

200 Norway Spruce, 3 to 4 ft.....6 cents each
 300 " 3½ to 3 ft.....5 " "
 200 American Arborvitae, 3 to 4 ft. 6 " "
 300 " 2½ to 3 ft. 5 " "
 200 Irish Juniper, 3 to 4 ft.....9 " "
 400 " 2½ to 3 ft.....7 " "
 400 " 2 to 3 ft.....5 " "
 300 Sugar Maple, 10 to 12 ft.....10 " "
 200 " 9 to 10 ft.....9 " "
 50 American Linden, 10 to 12 ft.....8 " "
 2000 Norway Maple, 4 to 6 ft.....\$15.00 per 1000
 3000 " 3 to 4 ft.....10.00 " "
 2000 " 2½ to 3 ft.....8.00 " "
 10,000 Peach, all grades and varieties.
 All stock strictly first-class, carefully dug and handled.

C. L. LONGSDORF, Floradale, Pa.

Ornamental Shrubs,

HERBACEOUS PERENNIALS.

A specialty of Iris, Phlox, Paeonies, Pyrethrums, Poppies, etc. Wholesale List on application.

JACOB W. MANNING,

The Leading ESTABLISHED 1854.
New England Nurseryman. READING, MASS

Mention The Review when you write.

Palms and Ferns...

WE HAVE A LARGE STOCK IN FINE CONDITION.

We guarantee safe arrival if shipped by Express.

CORRESPONDENCE SOLICITED.

Ellis & Pollworth, Milwaukee, Wis.

Mention the Review when you write.

GOLD FISH and AQUARIUM SUPPLIES.

Send for
Price List.

KEENAN'S
SEED
STORE.

6112 and 6114

Wentworth Avenue,

CHICAGO

Mention The Review when you write.

THE HARRISII DISEASE can be prevented
by immersing
the bulbs for 5 hours in a half solution of

Kraft's Plant Tonic 99
per
cent

This has been conclusively proven by experiments
at Lincoln Park, Chicago. The Tonic also kills
Hard Shelled Scale, Mealy Bug, and other insect
pests without injury to the plant. Send for circular.

KRAFT PLANT TONIC CO. Rockford, Ill.

TELEGRAPH CODE.

In telegraphing orders to any of the wholesale dealers in cut flowers use the following code:

Assume—Do not answer if cannot fill order.
Abrogate—In case you cannot fill order, telegraph at once.
Anticipate—Answer at once, stating whether you can or cannot fill order.
Ambition—If you can only partially fill order, do so, and reply, stating what.
Admiral—Order must be sent on train mentioned only.
Ambulance—Want all of order filled or none, and prompt answer back.
Adjacent—If cannot send on train mentioned, next one will do.
Affable—Send prepaid by baggage master, if no express messenger on train.
Decorate—If cannot send all on train mentioned, send all you can, and send balance on next train.
Admission—This order is a substitute for my regular order.
Dancing—If cannot fill order exactly as specified, you may substitute according to your best judgment.
Ancestor—This order is an addition to my regular order.
Durable—Colored flowers must not be substituted for white.
Affection—Fill if possible, even at extra expense.
Fabricate—Flowers ordered are to be re-shipped to a distance, therefore buds must be cut specially close.
Fortunate—Select extra stock and charge accordingly.
Devotion—For cheap work, and can use second-class flowers, if at reduced price.
Flattery—If price has advanced since last quotation, do not send goods, but telegraph.
Forgery—This order countermands all previous orders.
Formation—Add these items to the order which you already have, but in case first order is already shipped, cancel this addition.
Flamingo—We are in a bad pinch; send us something to help us out, even if of poor quality.
Flocking—Have sent mail order; if not yet received, send following at once, and cancel mail order when received.
Foraging—This order includes all items previously ordered and wanted for this date.
Superior—Can use something especially fine, and am willing to pay accordingly.
Skip—If you are out, buy the best you can; we accept risk of getting "pickled" stock.
Corporal—If cannot send on night train, morning train will do.

**THE CODE BELOW WILL BE USED
IN ANSWERING YOU, WHEN
NECESSARY.**

Elope—Cannot fill your order to-day. Stock is scarce. Have tried to buy at other houses for you.
Lecture—Our store was closed yesterday when your telegram came. Received it this morning. Will ship by first train to-day, unless countermanded at once.
Willing—Cannot ship on train mentioned. Will send on next train possible to-day.
Eclipse—Will send part of your order. Balance scarce. Cannot get it at any price to-day.
Artistic—Cannot fill order to-day, if you want order filled (same order) to-morrow, wire us at once.
Favorite—Stock very poor, none better to be had. Will ship unless countermanded by..... o'clock.
Fundament—Stock named in this telegram has been sent, and balance, unless countermanded by telegram, will be sent on.....

TROY, N. Y.

Samuel Walch, the veteran florist of this city, died March 15. He was born in Lancashire, England, about 75 years ago and had been in business in this city about 35 years. He was widely known as a lover of plants and flowers, as well as a florist, and his personal characteristics were such as to attract many friends. He was twice married and a widow survives him. He has no other relative in this country.

SHELBYVILLE, ILL.—Mrs. E. H. Martin has purchased the Harwood greenhouses and will combine with her own business under the title Shelbyville Floral Co.



**WHOLESALE
GROWERS OF Cut Flowers**

51 Wabash Avenue, Chicago.

We Are Headquarters for...

AMERICAN BEAUTIES,
of which we cut from 2,000 to 3,000 daily. Our **Brides,**
Meteors, Maids and Perles were never better.

OF CARNATIONS

we grow 50,000 plants of all the leading varieties, and they cannot be surpassed.

Mention The Review when you write.

M. RICE & CO.

NEW ILLUSTRATED CATALOGUE
FOR THE ASKING.

Exclusive Importers and
Manufacturers of

Florists' Supplies

25 N. Fourth Street, PHILADELPHIA, PA.

Mention The Review when you write.



SELECT SEEDS

For Florists and Market Gardeners.
Wholesale Catalogue sent on application.

Simple's Aster, choice strain, pink, white and lavender, 1/4-oz., 40 cents; oz., \$1.50

W. C. BECKERT, Seedsman, Allegheny, Pa.

Mention The Review when you write.

1899

CONTRACTS

1899

Now I am open to quote prices on all Bulbs, Plants and Roots for next season. Send in your list of wants for quotations.

F. W. O. SCHMITZ, JERSEY CITY, N. J.

Mention The Review when you write.

Burpee's Seeds Grow

**THE REGAN
... PRINTING HOUSE ...**

Nursery
Seeds
Florists'



87-91 Plymouth Place, Chicago

Mention The Florists' Review when writing advertisers.

CRABB & HUNTER,

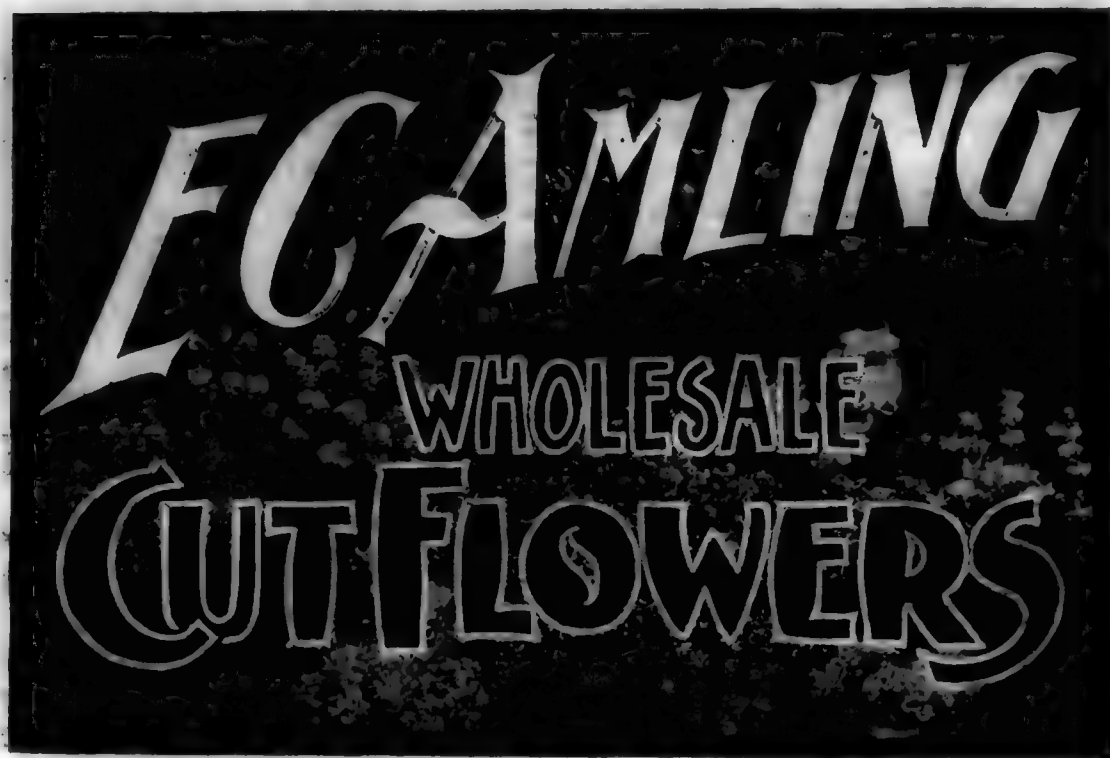
Violet Specialists. Orders received now for Spring delivery of A1 stock such as produces a crop—Marie Louise, Farquhar and Lady Campbell. Rooted Cuttings of Flora Hill, Evelina, Painted Lady, Firefly, Pingree, Morello and other standard varieties.
GRAND RAPIDS, MICH.

Always mention the Florists' Review when writing advertisers.

Prompt
Service

We Have
What You Want

Careful
Packing



PRICE LIST—Taking Effect March 30.

CHICAGO.

ROSES.

Am. Beauties, long, per doz.	\$5.00—\$6.00
" medium, per doz.	2.00—4.00
" short, per doz.	1.00—1.50
Meteors, Maids, Brides and Kaiserin, per 100,	8.00—
Perles, per 100,	4.00—6.00
Roses, seconds, average, per 100,	5.00—

CARNATIONS

Are Our Specialty.

Fancy varieties, fancily grown, per 100	\$5.00—
Ordinary varieties, fancily grown, per 100	4.00—

Miscellaneous.

Marguerites, per 100,	\$1.00—
Mignonette, per 100,	3.00—4.00
Forget-me-not, per 100,	1.00—1.50
Callas, per doz.,	1.50—
Harrisii, per 100, \$15.00	2.00—
Romans, per 100,	2.00—3.00
Daffodils, per 100,	3.00—
Tulips, per 100,	2.00—4.00
Valley, per 100,	4.00—
Violets, per 100,	.75—1.00
Pansies, per 100,	1.00—

Decorative.

ASPARAGUS.

Per string	\$.50—
------------	---------

FERNS.

Per 100, 25c	per 1,000, \$2.50
Maiden Hair	per 100, \$1.00—1.25

GALAX.

Bronze and Green, per 100, 15c	per 1,000, \$1.00
--------------------------------	-------------------

SMILAX.

Common	per doz., \$1.50—\$3.00
Wild, crop ruined by frost.	

All White Stock rules a shade higher in price than Colored of equal quality.

All other flowers in season.

Above quotations are subject to change without notice. P. and D. at cost.

Extra select and inferior qualities charged for according to value.

Regardless of prices quoted all stock will be billed at lowest market rates.

Store open from 7:00 A. M., until 6:30 P. M. Sundays and Holidays closed at noon.

Any-
thing
to be
Had we
Can
Furnish
If
Anyone
Can

Every-
thing
We
Adver-
tise
We
Still
Have in
Quantity

51
Wabash
Ave.

Our Prices

Are Right

W. S.
HEFFRON,
Mgr.

SAMUEL S. PENNOCK, Wholesale Florist

OPEN DAY AND NIGHT—From 12 A. M. Mondays to 10 P. M., Saturdays.

A constant supply of SELECT VALLEY the year round. 1612-14-16-18 Ludlow St., Philadelphia, Pa.
AMERICAN BEAUTIES OUR SPECIALTY.

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PITTSBURG CUT FLOWER CO., Ltd. WHOLESALE FLORISTS.

Long Distance
Phone 2157.

CONSIGNMENTS SOLICITED.

No. 705 Penn Avenue,
PITTSBURG, PA.

FLORISTS' SUPPLIES.

Write for Price List.

Mention The Review when you write.

PHILADELPHIA.

The Market.

Trade was about the same as last week, with cut stock getting somewhat scarce and prices stiffening. Carnations brought \$2 to \$3, best bringing \$4; Brides, Maids and Meteors \$4 to \$8; Beauties, \$1 to \$5 per dozen; Brunners, \$1.50 to \$3 per dozen. Romans, \$2 to \$3; tulips, narcissus and valley, \$3 to \$4; freesias, \$1 to \$2; sweet peas, \$1.50 to \$2; smilax, \$20 to \$25.

Store men report Easter outlook very promising; however, much depends on the weather.

Notes.

Chas. Longinotti suddenly died on March 21. The members of the Phila. Florists' Club attended the funeral in a body. He was of late with Pennock Bros. and also with Samuel Pennock for a number of years.

Visitors: Alexander Mead, Greenwich, Conn.; H. Siebrecht, Jr., New Rochelle, N. Y.; A. Michie, Montclair, N. J.; Thos. Vincent, Baltimore, Md.; A. T. Shotwell, Fargo, N. D. R.

VOTE NOW.

Be sure to have your vote on the awards in our prize competition, as on page 401 of last issue, reach us by April 8. The ballot will close on that date.

TERRE HAUTE, IND.—Jno. G. Heintz & Son made a special display of carnations recently that drew many visitors. The Lawson was included among the varieties shown.

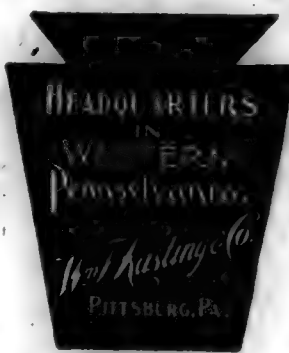
APPLETON, WIS.—Miles Meidam reports that trade has been very good this winter with him.

BUY YOUR supplies from the advertisers in The Florists' Review, and thereby increase the earnings of your certificate.

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ROSES.
Carnations
VALLEY
FERNS.
GALAX, and
IVY
LEAVES,
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all kinds of
Seasonable
Flowers
in Stock.

Consign-
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good stock
solicited.



We get
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Wholesale Florists. 444 Sixth Ave.

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WIRE DESIGNS on hand.

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KELSEY'S SOUTHERN GALAX
LEAVES. Brilliant
Green and
Bronze.

Information of the Introducer.

HARLAN P. KELSEY.

Prop. Highlands Nursery in North Carolina.

1106 Tremont Bldg. - - BOSTON, MASS.
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404 - 412 East 34th St., New York,

NEAR THE FERRY.

Open Every Morning at 6 o'clock for the sale of
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Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

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HOUSE PLANTS IN THE HOUSE.

The PLANT trade from the point of
"business," and also the care of Plants,
treated in an attractive six-page Folder
to be given to customers.

Sample order of 25 copies mailed for 60c in stamps

Dan'l B. Long, Publisher, Buffalo, N. Y.

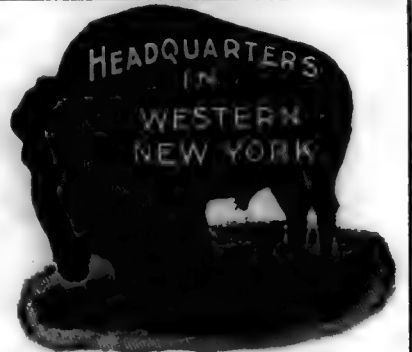
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NEW YORK.

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PLEASE
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Carnations
and all
kinds of
Seasonable
Flowers
in stock.

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mission Florist.
495 Washington St., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire
Designs.

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1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

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EDWARD REID, Wholesale Florist,

LONG
DISTANCE
PHONE.

1526 Ranstead St., PHILADELPHIA, PA.

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Pandanus Veitchii

Clean Stock,
Pedestal
Grown.
6-in. pots, \$1.00 each; \$12.00 a dozen. Also larger
sizes. Send list of sizes required and get rates.
Also a few white leaved plants at half price, for
decorative effects or cutting up.

JOHN WELSH YOUNG, - Germantown, Pa.

Upsal Station, Penn. R. R.

Mention The Review when you write.

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Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

Largest stock in America.

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New Rochelle, N. Y.

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VINCA MAJOR

Propagated
last August.

Will make fine
plants, with 4 to 5
leads for Decoration
Day, if shifted and stopped now. \$3.00 per 100;
\$25.00 per 1000. From 3-inch pots, 5.00 per 100.

Nathan Smith & Son, Adrian, Mich.

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writing advertisers.

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FANCY ROSES

SELECT
CARNATIONS

FANCY
VIOLETS

ORCHIDS

VALLEY

BEAUTIES

LILIES

LILAC

NARCISSUS

DUTCH

HYACINTHS

MIGNONETTE

SMILAX

ASPARAGUS

ADIANTUM

COMMON

FERNS

GALAX

LEAVES

PALM LEAVES

ORDER QUICK

Our Prices as Low as any Dealer or Grower.



WILD SMILAX

BLOOMING
PLANTS

LILIES

AZALEAS

SPIREA

PAEONIES

HYDRANGEAS

BULB STOCK

BEAUTIES and
OTHER ROSES

CROCUS

DAFFODILS

ETC., ETC.

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Forget
Us on

WE HAVE A FINE LOT OF NOVELTIES IN
Baskets, Plant Stands, Pot Covers, Silver Dishes,
Jardinieres, Etc., for Easter Trade.

SUPPLIES

We Are
Headquarters

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McKELLAR & WINTERSON,

45, 47, 49 Wabash Avenue, — CHICAGO.

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US AN
EARLY
REPORT
OF YOUR
EASTER
TRADE.

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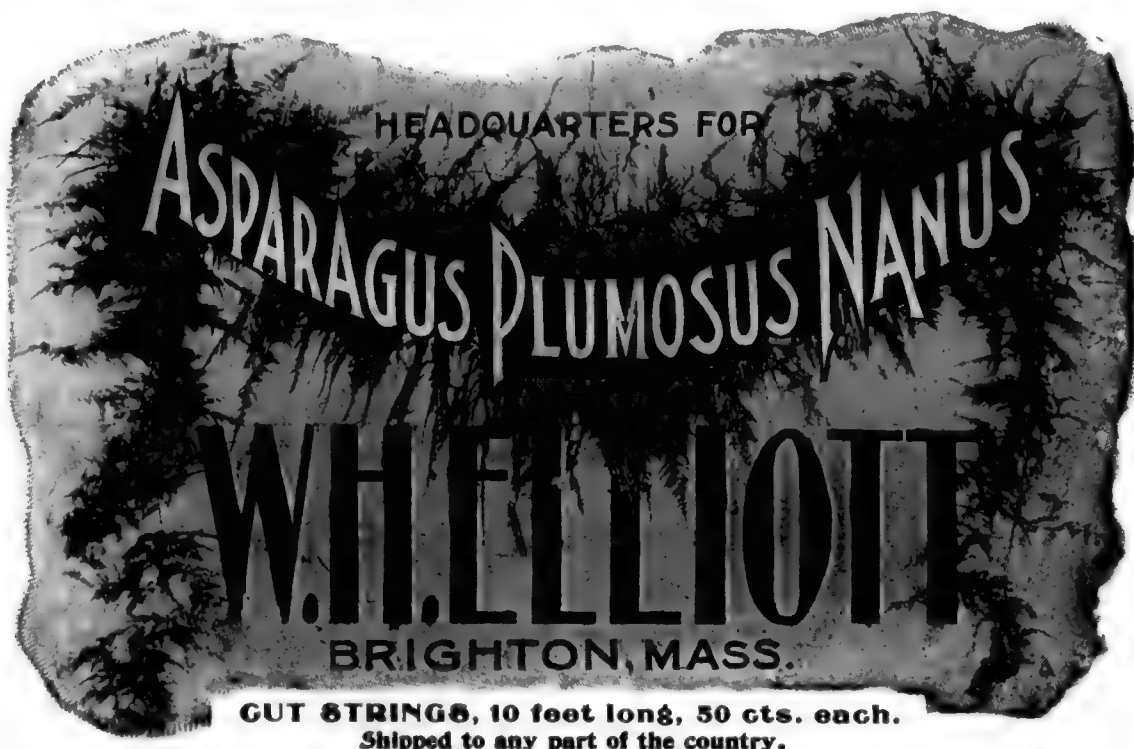
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General..... Introduction

Page groups of these portraits will be published from time to time until all have been presented. Photos may be sent in any time, the only condition being that you become a subscriber to the FLORISTS' REVIEW. Address

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ASPARAGUS PLUMOSUS NANUS
W.H. ELLIOTT
BRIGHTON, MASS.
CUT STRINGS, 10 feet long, 50 cts. each.
Shipped to any part of the country.

Lady Dorothea..

Winner of Silver Cup as best New Rose—Chicago Chrysanthemum Show, November, 1898. Also Certificates of Merit—New York and Toronto.

The Florists' Rose, a free bloomer, always an attractive and selling color. No bull heads.

1 plant 50c; 12 plants \$4.00; 100 plants \$25.00; 250 plants \$50.00; 500 plants \$75.00; 1000 plants \$125.00

JOHN H. DUNLOP, Toronto, Canada.

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PALMS

All Home Grown, Strong and Healthy.

All Measurements are from Top of Pot, and don't you forget it.

ARECA LUTESCENS.

		Height.	Per doz.	Per 100
6-in. pot,	3 Plants,	22 to 26 in.	\$9.00	\$75.00
6 "	3 "	28 to 30 in.	12.00	100.00
7 "	3 "	30 to 34 in.	15.00	125.00
8 "	3 "	36 to 38 in.	18.00	150.00
10 "	3 "	60 inch.	5.00 each.	
12 "	3 "	60 to 72 in.	10.00 "	
14 "	3 "	7 to 8 feet,	25.00 "	

COCOS WEDDELIANA.

2 x 3-in. pot, 6 to 8-in. high, - - - per 1000, \$10.00

KENTIA BELMOREANA.

	Leaves.	Height.	Per doz.	Per 100
3-in. pots,	4 to 5	10 to 12-in.	\$3.00	\$ 25.00
4 "	5 to 6	15 to 18-in.	6.00	50.00
5 "	5 to 6	18 to 20-in.	12.00	100.00
6 "	6	18 to 20-in.	15.00	125.00
6 "	6	24 to 30-in.	18.00	150.00

KENTIA FORSTERIANA.

	Leaves.	Height.	Per doz.	Per 100
2 1/2-in. pots,	3 to 4	8-in.	\$1.50	\$12.00
3 "	4 to 5	10 to 12-in.	2.50	20.00
5 "	5 to 6	20 to 24-in.	9.00	75.00

JOSEPH HEACOCK, WYNCOTE, PA.

Mention The Review when you write.

Moon's Trees Grow.

15,000 Oaks, 3 to 8 ft., assorted varieties, finely rooted.

100,000 Maples, 8 to 16 ft. Sugar, Norway, Sycamore and Silver Leaved, Straight and fine, special quotations.

BEECH, European and Purple Leaved; **BIRCH,** Cut Leaved Weeping, White and Yellow; **ELMS,** **ASH,** **LINDENS,** **HORSECHESNUTS,** **MAGNOLIAS** and **WILLOWS.** In fact an immense stock of choice **DECIDUOUS TREES.** Send list of your wants for estimate, or call and see our stock.

Trade Lists, also 40-page Descriptive Catalogues free on application.

Only sixty miles from New York City.

Only thirty miles from Philadelphia.

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Wholesale Growers TREES and PLANTS in Full Assortment.TRADE CATALOGUE FREE.

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The Morris Floral Co.

MORRIS, ILL.

Trade Prices for April.

R. C. Carnations,

READY TO SHIP AT ONCE.

	Per 100
ARGYLE	\$3.00
EVELINA	3.00
EMPRESS	3.00
PAINTED LADY	2.00
PSYCHE	2.00
FLORA HILL	1.50
JUBILEE	1.50
MAYOR PINGREE	1.50
ARMANDY	1.50
JOHN YOUNG	4.00
NEW YORK	4.00
MRS. JAS. DEAN	4.00
BONTON	4.00
EVANSTON, 1899	6.00

Five cuttings at 100 rate.

PLANTS, 2 1-4 inch.

	Per 100
BEGONIAS, Erfordii, fine bedder	\$2.00
" Hybrida	2.00
" Sandersonii	2.00
" Fuchsias	2.00
" Paul Bruant	2.00
" Fuchsoides	2.00
" White Rubra	2.00
" Schraiddie	2.00
" 10 others in small lots	2.00
ABUTILONS, Souv. de Bonne	2.00
" Triumph de Sivet	2.00
" also mixed	2.00
FEVERFEW, Little Gem	2.00
IRENES, in two colors, red and yellow, they make the best Canna borders	2.00
HELIOTROPES, Albert Dix, Czar and White Lady	2.00
SMILAX	2.00
" from flats .....	.50
MESEMBRYANTHEMUM ERECTUM	2.00
GERANIUMS, finest mixed, only	2.00
SALVIAS, Clara Bedman and Le President	2.00
DAISIES, double white and double red	2.00
VELVET PLANT	3.00
NEW COLEUS BROWNII, a crimson brown bedder	5.00
MME. SALLEROI	2.00
NEW LARGE FLOWERING YELLOW MARGUERITE	2.00
CHRYSANTHEMUMS, Mrs. Northcott, Modesto, Halcyon, Vernon Beauty, Mme. des Granges, Florence Farmer and Mrs. J. Peabody	3.00
IRIS, purple, yellow, blue and white	3.00

Five plants at 100 rate.

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GOOD STOCK
at FAIR PRICES.

Persian and other Lilao, 5 to 6 ft., 20c each.
 Spiraea — Thunbergia and Reevesia, 3 to 4 feet, 15c each.
 Raspberries — Cuthbert, E. Prolific, Marlboro, and Golden Queen, \$1.00 per 100, \$3.00 per 1000.
 Gooseberries — Red Jacket, 2 years, 65c per 10, \$5.00 per 100. Houghton, 2 years, 35c per 10, \$1.25 per 100.
 Golden Mayberry, \$1.25 per 100, \$10.00 per 1000.

GEO. F. CURWEN,
 VILLA NOVA, - - Del. Co., Pa.

Mention The Review when you write.

Rooted Runners from Marie Louise Violets, which have borne 100 flowers per plant this last winter. From now until May 1st will sell good Rooted Cuttings at \$3.00 per 1000. Come and see for yourselves, dear friends, and I will prove to you that my stock is clean, free from disease and first class in every respect.

C. LAWRTZEN,
 RHINEBECK, N. Y. Money refunded if not just as I say. Cash with order.

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Special Offer of

HYBRID CLEMATIS



We have again this season a fine stock of good, strong plants, two years old, own roots.

Boskoop Seedling. Extra large lavender.

Duchess of Edinburgh.

Double pure white.

Fairy Queen. Pale flesh with a pink bar.

Gipsy Queen. One of the finest rich purple varieties.

Henryl. Finest large single white.

Jackmanni. The best known and most popular variety. Color: dark, rich, royal purple.

Madam Baron Veillard.

Light rose, shaded lilac.

Mme. Van Houtte. Pure white; extra fine.

Miss Bateman. White with chocolate-red anthers.

Standishi. Light Blue.

The Gem. Deep lavender blue.

The President. Bright bluish purple.

\$3.75 per dozen; \$30.00 per 100.

NEW RED CLEMATIS.

M. Koster. A bright rosy carmine, not as rich in color as Mme. Edouard Andre, but possessing the advantage over that beautiful variety of being a much stronger, freer grower, and also of being remarkably free in flowering, while Mme. Edouard Andre, though richer and brighter in color, lacks in constitution, and makes but a light growth. We have seen M. Koster under ordinary nursery culture, a height of 6 to 8 feet, in two-year-old plants, with hundreds of flowers open at one time. \$5 cents each; \$4.00 per dozen.

CLEMATIS CRISPA. CLEMATIS COCCINEA.

We have a fine stock of fine two-year-old plants of the above two varieties at \$1.00 per dozen; \$7.00 per 100.

CLEMATIS FLAMMULA.

Strong two-year-old plants of this old favorite. \$1.25 per dozen; \$10.00 per 100.

Henry A. Dreer, 714 Chestnut St., Philadelphia, Pa.

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Poinsettia
Pulcherrima...

Strong, Dormant Canes,
 from 6-inch pots.
 Can be shipped with little cost.

If started growing shortly, will give you any amount of the right kind of Cuttings..... } \$3.00 per doz.

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Main and Balcom Streets,

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1840 Old Colony Nurseries, 1899

HARDY SHRUBS, TREES, VINES,
 EVERGREENS and PERENNIALS.

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Trade list free on application.

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Sphagnum Moss

First quality, \$1.00 per bale; 10 bales, \$8.00.

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SMILAX. NICE
THRIFTY
PLANTS
from thumb pots.

If shifted now will make fine stock for
 Summer planting. \$1.50 per hundred.

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ADDRESS W. J. VESEY, Sec'y,
 FORT WAYNE, IND.

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JADOO.

We were recently privileged to look through the factory of the American Jadoo Co., Philadelphia, and found the process of manufacture of Jadoo very interesting. Formerly all the Jadoo sold here was imported from England, but the American company is now manufacturing, and they not only are enabled to save considerable in freight but get a more even quality of Jadoo. Though nearly all the materials are imported there is a considerable saving, as one ton of dry peat moss makes four tons of Jadoo.

Jadoo is made of sterilized peat moss, bone meal, phosphoric acid, gypsum, nitrate of soda and London soot, in proportions that were determined after a long series of experiments by Col. Thompson, the inventor. The fertilizing materials are boiled into the fiber of the peat moss in a huge steam kettle and the excess moisture expressed under a pressure of 60 tons. The material is then allowed to ferment for thirty days, and the result is Jadoo, with the plant food fixed in the moss. Jadoo liquid is pretty much the same as that which is boiled into the peat moss to make Jadoo Fiber.

A factory is soon to be established on the Pacific coast to save patrons there the expense of freight across the continent, the sales of Jadoo in California and adjoining states having been large and continually increasing. The tobacco growers have been heavy buyers of Jadoo, and trials of small quantities have always been followed by orders for large quantities.

Mr. Hamburger says that while Jadoo at \$27.00 a ton seems expensive it is really but little more costly than any good compost and is more economical on account of the smaller quantity needed. It would be interesting to know what first-class potting soil does cost. Can some one tell us? It may be more costly than we imagine when every item of expense is considered.

"SPHLITS."

Herr Redacteur: I seen by de in-site von your last book dot olt man Blumenschneider was making a lot off schmart talks, und he speak about a calix wot you can't preak mit an axe.

I seen much talks about dis calix pisiness wot was a humbugs. I haf garnations und I haf sphlits, und de sphlits wos nit garnations wen dey wos sphlits. De garnations society shoulth chudge garnations und let de sphlits go bel de outside. JAKE.

AVONDALE, PA.—Mrs. Emma Starr has rented her greenhouses to Wm. H. Search and Chas. Fox.

SAVANNAH, GA.—The firm of Wolf & Co., florists, has been dissolved, Mr. F. E. Keilbach retiring from the business, which will be conducted hereafter by Mr. Wolf.

Look Here for Rooted Cuttings

Per 100	Per 100	Per 100
Abutilon, var. trailing.....\$2.00	German Ivy.....\$1.25	Geranium Md. Bruant.....\$2.00
Ageratum, blue and white.. 1.00	Heliotrope, per 1000, \$10... 1.25	" Mrs. Parker 4.00
Alternanthera, red and yellow, per 1000, \$5.00..... .60	Geraniums, named; Double	Imp. Sultana..... 1.50
Anthemis, double yellow... 2.00	Grant, La Favorite, S.	Lemon Verbena..... 1.50
Begonia Rex, 50 to 80 var... 2.00	A. Nutt, Rev. J. B. Atkinson, Gloria de France	Lobelia, blue..... 1.00
" Incarnata Gigantea 2.00	etc., per 1000, \$12.50..... 1.50	Lantana, assorted..... 1.50
" Vernon..... 1.00	Mixed, per 1000, \$10.... 1.25	Manettia bicolor..... 2.00
Chrysanthemums, named.. 1.50	Md. Sal., " 10.... 1.25	Pyrethrum Little Gem..... 1.50
Cuphea (Cigar plant)..... 1.00	Bronze..... 1.50	Pelargoniums, named..... 4.00
Coleus, mixed, per 1000, \$3.. .80	Silver Leaf..... 1.50	" mixed..... 3.00
" separate colors " \$6.. .75	Rose Scented..... 1.50	Double Alyssum, giant..... 1.00
Fuchsia Trailing Queen..... 1.50	Mrs. Pollock..... 2.00	Salvia, scarlet..... 1.25
" named..... 1.50	Freak of Nature..... 3.00	" golden leaved..... 2.00
Forget-me-not, winter flowering..... 1.50	Happy Thought..... 3.00	Violet M. Louise..... .60
	Mars..... 3.00	Verbenas, per 1000, \$6..... .75
		Daisy Snow Crest..... 2.00

POTTED PLANTS. 2½-inch except where noted.

Per 100	Per 100	Per 100
Begonia Rex, mixed 20 to 30 var....\$4.00	Mrs. Pollock Ger.....\$4.00	Vincas Var., 2-in.....\$2.00
" Louis Closson, \$4 and 6.00	Silver Leaf "..... 4.00	" 3-in..... 4.00
" named varieties..... 6.00	Mars "..... 6.00	" 3½-in..... 6.00
Fuchsia Trailing Queen..... 4.00	Md. Bruant "..... 4.00	" 4-in..... 10.00
Forget-me-not, winter flowering..... 3.00	Lemon Verbena..... 4.00	Dracaena.....\$5.00 to 30.00
Abutilon, var. trailing..... 4.00	Hydrangeas, P. and W., 4-inch..... 10.00	Imp. Sultana..... 3.00
Mrs. Parker Geranium..... 6.00		

Terms Cash or O. O. D.

GREENE & UNDERHILL, Watertown, N. Y.
Mention The Review when you write.Bridesmaid excelled **MAID OF HONOR**, formerly called **MISS CLARA BARTON**
by this NEW ROSE.....Plants in 2½-inch pots NOW READY. Price — per 100, \$15.00; 50 at 100 rate.
per 1000, \$125.00; 250 at 1000 rate.**HOFFMEISTER FLORAL CO., 813 Elm St. CINCINNATI, O.**For sale also by
E. G. HILL & CO., Richmond, Ind., and F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.
Mention The Review when you write.

3000 CANNAS!

EXTRA STRONG BULBS,
in the following varieties;FLORENCE VAUGHAN MME. CROZY
CHAS. HENDERSON QUEEN CHARLOTTE
ELDORADO AUSTRIA
ITALIA — and — BURBANK

\$2.50 per 100 or \$20.00 per 1000. Cash.

W. A. WETTLIN
HORNELLVILLE, N. Y.

Mention The Review when you write.

Fine Perles and Wootons

In 2-in. pots, as well as Beauties, Maids, Brides, Meteors, La France and Kaiserin — now ready. Send 50 cts. or \$1.00 for samples of what you want and prices.

Carnations out of flats ready now. Can furnish Rooted Cuttings of all Roses except La France and Kaiserins. Write **GEO. A. KUHL,**
Long Distance Phone 14. **PEKIN, ILL.**

Always mention the Florists' Review when writing advertisers.

**Iron Reservoir Vases and Lawn Settees**Manufactured by
McDONALD BROS.,108-114
Liberty Street,
Columbus, O.

Send for our 1899 Catalogue.

Mention The Review when you write.

The MODEL Extension Carnation Support.

Read what some of our best growers say concerning it.

W. HOBOKEN, N. J., Feb. 18, 1897.
Mr. THERON PARKER, Brooklyn, N. Y. Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up Carnation Supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for for a long time. Wishing you every success in the sale of them, I am, Yours truly, E. ASMUS.

Other testimonials will appear weekly. Write for prices.

THE MODEL PLANT STAKE CO.,
22 Morton Street. Brooklyn, N. Y.
Mention The Review when you write.**HITCHINGS & CO.**
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COLLEGE POINT, N. Y.—The wife of Frank Zimmerman, the florist, died March 17, aged 48 years.

KOKOMO, IND.—R. L. Wilcock has restocked his greenhouses with plants and hopes to soon be in as good shape as before the freeze.

PLEASE SEND US a correct list of the names and addresses of the florists who receive their mail at your postoffice and thereby oblige.

ANGUS MORRISON,
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Messrs. Kroeschell Bros. Co.,
29 to 59 Erie St., Chicago, Ill.

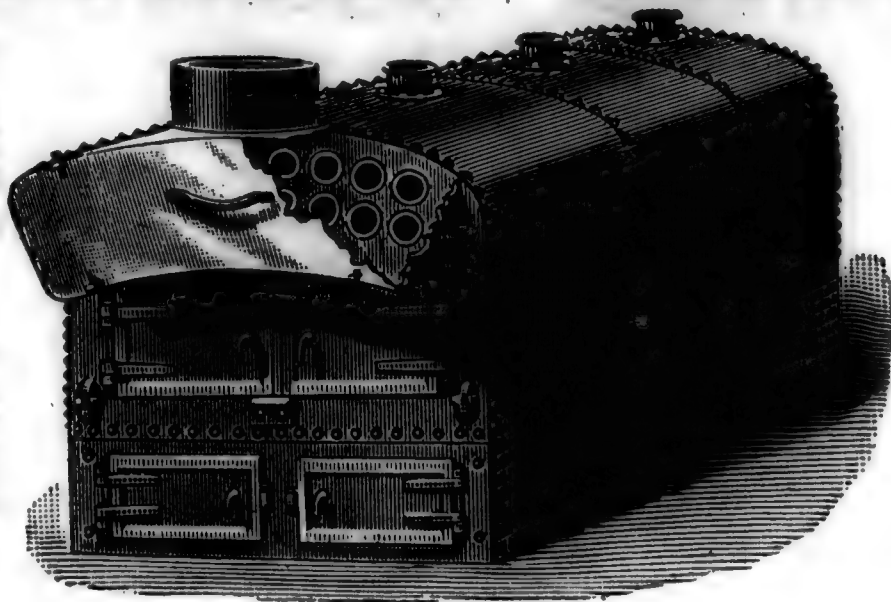
Gentlemen:—In reply to yours of the 8th inst., it gives us pleasure to say that the boiler put in by you last fall, or rather the fall of 1898, has given the best of satisfaction, and is apparently as good as new after two winters' service.

Very truly yours,
BELLEVUE PLACE CO.
Batavia, Ill.

South Bend, Ind., March 12, 1899.
Kroeschell Bros., Chicago, Ill.

Gentlemen:—Yours dated March the 10th, duly received and contents noted. In reply, will state the boiler has given perfect satisfaction in every respect, and am greatly pleased with it. It is very economical in the use of coal, and very satisfactory.

Yours truly,
WILLIAM T. RETTIC,
Per C. M. T.



Chicago, March 18, 1899.
Messrs. Kroeschell Bros. Co., City.

Dear Sirs:—In reply to your inquiry, we must say that we are satisfied with your boiler. It works well and saves us considerable coal. Our saving on coal this winter, we guess, will amount to one-fourth of what the boiler cost us.

Yours truly, DAMM BROS.

Kenosha, Wis., March 18, 1899.
Kroeschell Bros. Co., Chicago.

Gents:—Yours of the 10th inst. received, and contents noted, and in reply I must say that I am perfectly satisfied with the boiler I got from you last season. I am satisfied there is a saving of fuel, but just how much I am unable to say; and just while I am writing to you I would like to find out how much would a No. 6 boiler cost f. o. b. cars Chicago?

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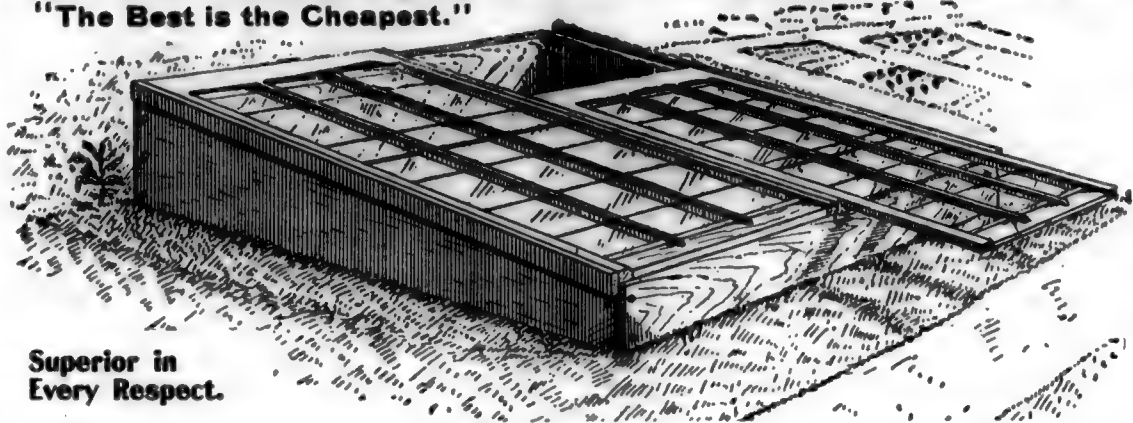
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THE WEEKLY FLORISTS REVIEW

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Vol. III.

CHICAGO AND NEW YORK, APRIL 6, 1899.

No. 71.

PHRYNIUM VARIEGATUM.

Public opinion in regard to plants is frequently quite fickle, and he is a wise grower who knows just when the market is ready and ripe for a change,

and is able to prepare his stock accordingly.

The subject of this note, *Phrynium variegatum*, is one of those plants that once held a more prominent place among trade stock than is now accord-

ed it, but owing to the fact that its foliage has much in common with that of the tender marantas (to which it is nearly related) this plant did not prove quite hardy enough for general use as a decorative subject, and in consequence has been retired in a measure for several seasons past. But though unable to bear as much hardship as an *aspidistra* or a *figus*, yet *Phrynium variegatum* is a beautiful plant, and one for which a place may be found in the multitude of small conservatories that require attention from our city florists, for many of these small houses are all right for keeping plants in, even though they may not be ideal edifices for growing plants.

The plant in question is one of a small family of tropical subjects that are found growing in the lowlands of India, some of the East Indies and tropical America, and are very similar in habit to some of the *calatheas*. The leaves of *Phrynium variegatum* range from six to twelve inches long, and three to four inches wide, the ground color being dark green, but striped and blotched with white, a good idea of the variegation being given by our illustration.

This plant is very free in growth and easy to increase by means of cuttings formed from the suckers that are thrown up around the base of the plant, these cuttings rooting in a very short time when planted in sand or light soil, kept moist and shaded from the full sun. As to temperature, we find *P. variegatum* grows best when kept at 65 to 70 degrees, and unless well watered and syringed is liable to attacks of red spider, an insect that soon plays havoc with its foliage.

During the summer months this *phrynium* grows well in a rather deep and shaded frame outdoors, the pots being plunged in hops or some other substance that will prevent the plants from drying out too much, but when treated this way it is not safe to allow



Phrynium Variegatum.

them to remain out very late in the fall, else they may get somewhat chilled.

No special compost is required, the chief point being to give the plants

nourishment enough, and a light loam that has been liberally treated with old cow dung usually gives a good result.

W. H. TAPLIN.



CARNATIONS

FRAGRANCE.

Fragrance is an unstable, but very desirable article. It is almost impossible to imagine a beautiful flower without fragrance; involuntarily we hold the flower to our nose in order to inhale its fragrance, and feel disappointed at its absence. We admire and appreciate fragrance as much in a fine flower as we do a fine flavor in a luscious fruit, especially if of such a spicy, invigorating, pleasing character as that natural to the carnation. Everybody deplores the lack of fragrance in many of our best new varieties, but still color and form seem to reign when accompanied by size and a strong stem. It is quite natural to lament this lack of fragrance and upbraid the seedling grower for losing sight of this very pleasing and important quality. We often hear the complaint that very large overgrown fruit lacks in flavor, and this gives us the key why the majority of our large flowers lack in fragrance. In my opinion, in this instance, it is due to the high culture, the removing from its former environs, which impairs fragrance.

I remember when a boy my father's garden was bordered on one side by a stone wall in which holes were left for fence posts. The fence was never built, and in these holes we planted some common, old-fashioned clove or feather pinks, (*Dianthus plumaris*) noted for their strong clove fragrance. These plants did not grow as luxuriantly as those planted in the border, nevertheless they made large plants, hanging over the wall from two to three feet, with a very dense short-jointed growth, small leaves and medium-sized flowers, but exquisitely fragrant, while the others in the border showed the advantage of culture, having much larger flowers, but were not so fragrant. We find this old but rather scarce pinkish feather variety the most fragrant of pinks, while some of its descendants, with much larger flowers, have lost in that quality. For the same reason our wild strawberries are more strongly flavored than the cultivated ones, and why should not this also be the cause for the lack of fragrance in our new varieties?

While in all other directions we have made great improvements, in this we encounter an insurmountable snag, and all efforts to improve fragrance in the line with the other qualities result in retrogression. I sincerely hope that my ideas may be erroneous, and an improvement can be made by infusing new blood from strongly scented varieties; it certainly will be worth trying. Still, I hardly think it advisable to make the backward movement in connection with the feather pink, arriving at the starting point after a series of evolutionary improvements. Albertini is one of the strongest scented varieties we have, and having an admiration for that variety I used its pollen very freely for further crossings. With a few exceptions I found its odor in most cases missing in its progenies. There is no rule without exceptions, and so once in a while we find a strong-scented variety among our seedlings, but less and less as we advance in the other qualities.

As fragrance is such a desirable quality, it deserves full consideration in a new variety on the exhibition table, for I have not yet seen or heard that fragrance has been acquired where nature in the first place refused it. Fragrance being such an unstable article, flowers being more fragrant at one time than another, may perhaps be the cause of a variety not receiving its full credit in this particular.

I again repeat that in new varieties, color, form and fragrance should receive first consideration and be given over half of the possible one hundred points, while in standard varieties cultural skill should receive more recognition, and size, stem, calyx and substance be given the majority of points. But of these in my next.

FRED DORNER.

AMERICAN CARNATION SOCIETY.

Carnations Registered.

"Alma," by Casper Aul, Cleveland, Ohio. Color, dark pink; two shades darker than Scott. Flower of good size and substance with slightly fringed edge, calyx never bursts, stem strong, stiff and wiry, 20 to 24 inches long. An early bloomer, plant stalky, bushy, with fine, dense foliage, healthy, robust grower, holding the foliage well above the soil.

"Belle Bute," by James Aldous & Son, Iowa City, Iowa. Color, pink; flower three and one-half inches, perfect form, full center, stem 30 inches long; stiff as steel wire, perfume exquisite. Habit of plant, good; a free bloomer and with no incumbrance of heavy foliage, the same being narrow, thick and of a dark color.

"Miss Helen Gould" and "Clara Barton," by Kretschmar Bros., W. Nyack, N. Y. Helen Gould in color, similar to Apple blossom and Clara Barton, a crimson rose.

"Oregon," by E. G. Hill & Co., Richmond, Ind. Color, pink.

"Brilliant" and "Superior," by E. McConnell, Sharon, Pa. "Brilliant" in color, near the shade of Tidal Wave, much brighter flower, very large and well formed, stem good. Plant vigorous and healthy. "Superior." Color, duplicate of Daybreak, flower averages large, with good stem. Plant a strong, healthy grower.

ALBERT M. HERR,

Lancaster, Pa.

Sec'y.

CORRECTION

In Mr. Dorner's notes in last issue, page 448, it should read: "When a Daybreak can be grown to a size of four inches, as it has been claimed, or a grower can mount Bradt so it will stand like an American Beauty rose, these are cultural attainments, and should be more recognized in standard varieties." The sentence was made to read "these are cultural attainments which should be more recognized, etc."

BOUGAINVILLEA SANDERIANA.

I had this little photograph taken and I now dedicate it to the many virtues and ability of W. K. Harris, who not only can break clay birds, but breaks the record on growing any plant to which he turns his hand and poetic mind. He once told somebody (an interviewer) that planting out in summer was no way to grow this fine plant. The photograph was taken on March 26. The group consisted of seven plants, four in front, and three in the rear rank stood on 6-inch pots. The plants are in 6-inch pots in which they have been since last September. My method may not be the approved way to grow them, but "the proof of the pudding is in the eating." The picture shows a great many flowers, yet it gives one but a faint conception of the quantity of flowers and buds that are really on the plants. They are actually one mass of expanded and unexpanded bracts.

The plants are tied in different shapes on wire stakes. They are about two feet above the pot and the same in diameter. They were propagated from young growth in February, 1897, plunged in a frame in 4-inch pots during the summer, cut back hard in May, 1898, and planted out in the open ground in good, deep, rich soil during summer, in which they made a strong growth; lifted end of September, and potted into 6-



Bougainvillea Sanderiana.

inch pots. After first watering they were kept as cool as possible and rather dry. About New Year's they were put into a night temperature of 60 degrees with the result as shown. Luck of course or rather coincidence, but a lesson in coincidence that we shall endeavor to emulate in the future.

I would add that from the time you see that flowers are going to be the result of your labors it takes four months to fully develop the bracts and there is no such thing as being too early with them because the bracts hang on for months.

WILLIAM SCOTT.

AMONG NEW YORK GROWERS.

Ernst Asmus.

Ernst Asmus, who has 80,000 feet of glass at West Hoboken, N. J., is admitted to be one of the shrewdest growers for the New York market. He grows roses largely and keeps a record which enables him to tell exactly what returns each variety makes for the space occupied. By referring to his books he can tell the average number of blooms produced by each plant of each variety, and further, the cash returns from same. He kindly permitted us to make the following extracts from his record of the average number of blooms produced per plant by the leading varieties for the past two seasons (July 1 to June 30)—1896-1897 and 1897-1898 (the season 1898-1899 being not yet completed):

	'96-'97.	'97-'98.
Bridesmaid	32	25
Bride	26	27.5
Beauty	16	14.8
Meteor	47	34.2
Testout	26	23
Cusin	55	46.7
Morgan	55	46

He has inaugurated a system to guard against the loss of flowers be-

tween the cutter and the packer. Each cut from a house is entered on a record sheet tacked on the wall at one end of the house, and further the cut is noted on a printed form on a strip of tough paper and this is placed in the jar with the flowers, and the count is checked by the sorter, who notes on the slip how many of the blooms were firsts, how many were seconds, etc. Every bloom has to be accounted for, and the various records must check one against the other.

The sorting is done by young women and the sorting tables are covered with heavy wire cloth through which the drip passes readily.

The principal attraction at this place now is the new rose Liberty which will not be introduced till next year. Mr. Asmus has a house 15x150 containing 1035 plants from which he is cutting flowers. There are two center beds, one 5 feet 9 inches wide and containing 5 rows of plants, and one 4 feet 7 inches wide containing 4 rows. The growth and bloom are certainly remarkable and bear out Mr. Asmus' assertion that it is an even freer bloomer than Meteor. A peculiarity of growth is that if cut back when the wood is ripened there will be only one break, always bringing a bloom, while if a bud is pinched out when the shoot is soft there will be two or more breaks. The blooms seen on the plants were nearly all equal in quality to those shown at the exhibitions and there was no variation whatever in color. Vases of Liberty and Meteor selected at random from the cool room and placed side by side made Meteor look very sick, indeed. Liberty has the glowing color of the old Jacq and the same bloom upon the petals, but the bud is longer in form and its crowning glory is that it is delightfully fragrant, the fragrance

suggesting both that of the Jacq, and La France. Mr. Asmus' record shows that he has cut an average of 22 blooms per plant for the four months ending Jan. 1 last. At Christmas the best blooms sold at \$50 a hundred and the seconds at \$25. So he has already made a good deal on Liberty from the flowers alone. Stem and foliage are much superior to those of Meteor. In fact everything points to a complete abandonment of Meteor when Liberty is introduced.

He has been trying grafted roses and in the case of Brides and Maids finds he gets more blooms and better stems than from the own root plants. In the case of Testout both plants and flowers are so superior that there can be no doubt of the value of grafting. The difference between the grafted and own root plants was remarkable. The latter were very poor, while the grafted ones were in splendid condition, producing much better flowers, of better color and with stronger and longer stems. He finds Testout profitable and cuts about as many good blooms per plant as from Bride or Maid.

He still grows Carnot, but merely for summer as in the case of Kaiserin.

He still grows Morgan, but finds that Cusin sells better in the market, the people seeming to prefer the lighter color.

A house of Hoste was noted. He attempted to revive this rose this season, but it don't take well in the market.

He grows a few moss roses for a few special customers, but the demand for the flowers is limited.

He carried over a house of Beauties, but they produced poor flowers with short stems and he doesn't want any more second year Beauties.

Hybrid roses were formerly forced here in large quantities for the early spring months, but now he has only a few in boxes that were brought in to fill out spaces where carnations had failed.

Most of his roses are in solid beds made of a foot to 15 inches of broken stone with five inches of soil on top.

He has a number of seedling roses, the development of which he is watching with interest, and quite a number of ripening heps show where crosses have recently been made.

In carnations he has dropped Scott which had deteriorated greatly in constitution. He has also dropped McGowan. Hill and White Cloud are his whites. Hill has given trouble through stem rot, but he finds it necessary to retain it, as it starts blooming as early as October and is at its best before White Cloud gets a fair start. The two sorts work well together, as each is at its best when the other is at its poorest.

Daybreak is still a standby. He has had considerable trouble with thrips on Daybreak and Victor and has had occasionally to sacrifice a crop of flowers through heavy fumigation to kill insects. He is looking for a pink to take the place of Victor.

Mars shows up splendidly as a scarlet. Mr. Asmus and the Dailedouze brothers are joint owners of the stock of this carnation. In crimsons he will drop Meteor and will try Maceo and Gomez.

Girls are employed in the carnation houses to disbud, tie up, etc.

All his newer houses are of the iron frame construction, seen at the place of Dailedouze Bros. and already described.

Tobacco stems used through the houses to keep out green fly are placed in a square of wire netting and suspended under the edge of the side benches or other convenient place. They do not decay as when laid on the soil or the walks and are more effective.

Mr. Asmus noted this system at Madison and at once adopted it.

He still forces a few lilacs, but there is little profit in it now. He made a great deal of money forcing lilacs years ago. One year he cut over \$5,000 worth of bloom out of one house, but prices were high then and he was the only one in it. He bought up all the old lilac bushes in the surrounding country at nominal prices and forced the blooms without difficulty, the flowers coming white when forced into bloom in winter.

Valley has been a much more important crop with him in the past than it is now. "It's overdone now," he says. The same as to tulips.

He has a force of 22 employes to handle his 80,000 square feet of glass.

very unsatisfactory and a very limited quantity will do. Well flowered pots of violets sold well, and so did 5 and 6-inch pots of lily of the valley; 18 flowers in a 6-inch pot went rapidly.

Eight and 9-inch pans of Murillo tulips sold readily. It is the unequaled tulip for this purpose, standing erect with its breadth of four inches and lovely shade of pink. There is always (and always will be) a sale for a good Dutch hyacinth, but they must be good. They are a 25-cent plant, and there are lots of 25-cent people; 8 and 10-inch pans of Dutch hyacinths, all of some fine variety, sold fairly well, but customers for them at \$2 and \$3 each don't crowd your store at one time. Small pans of daffodils with a dozen or fifteen open flowers took the fancy of many.

Crimson Rambler roses, well flowered, with a ribbon or two to match the color, was in far greater demand than the supply. There is a plant, a leader in the largest cities, that you must all grow. Excuse an interpolation. In the Am. Florist of last week, in an article on Easter outlook for plants from their New York correspondent, appears something like the following in relation to this grand rose: "Some advocate growing it the previous summer in pots, and many depend on plants lifted from the ground in the fall; the largest growers prefer the latter method." I am out for information. Is this a fact? I should have said that summer growth in pots, given under glass until July and then well ripened during the fall months in the open air would give much better results than plants lifted from the nursery in November. If, however, the New York correspondent meant what he said we want to make sure of it, for what the largest and best growers do must be right, and we are willing to learn to our last day.

There was little or no good mignonne offered in pots; 5 and 6-inch pots of this with half a dozen good spikes sold faster than you could hand them out, and the handing out soon stopped for there was no more to hand. But grow it and let it be a leading article. That sort of stuff is much better than importing plants with the attendant expenses. Lilacs sold well, and as they take but a short time under glass, are profitable. The common *Deutzia gracilis* is very cheap to buy, very white and feathery and sold well, and is easily six times as profitable as a spiraea. Well flowered daisies (*Chrysanthemum frutescens*) sold on sight for a church plant. It is a very effective plant for decorations; the white is the favorite.

There were very few well grown hybrid perpetual roses, and everybody wanted one. You should have roses in pots with half a dozen flowers. Now is the time to prepare for them, either by potting some strong plants, cutting them low down and getting four or five good shoots to grow on during summer, or planting them out on your own place so that you can lift

MISCELLANEOUS SEASONABLE HINTS.

Easter Plants.

The Easter just past has been pre-eminently a plant Easter. Every year there is some loss or gain in popularity, and different cities and localities have different fancies. What we have found to be getting a chestnut here in Buffalo may still take well in smaller towns, and what has had its day in New York or Boston may yet be largely a novelty with us. I have made a memorandum, mental as well as with the pen, of what went best with us and as a guide for the Easter of 1900. Lots of people are aware what date Easter will fall on in the year 2100, but we are not interested in that, for few babies alive to-day will see it, and when they reach the age of 101 they will be in an age when they live, breathe, walk, talk, eat, fight and perform all other functions by electricity. Easter of 1900 is on April 15, a much better time for many of our flowering plants.

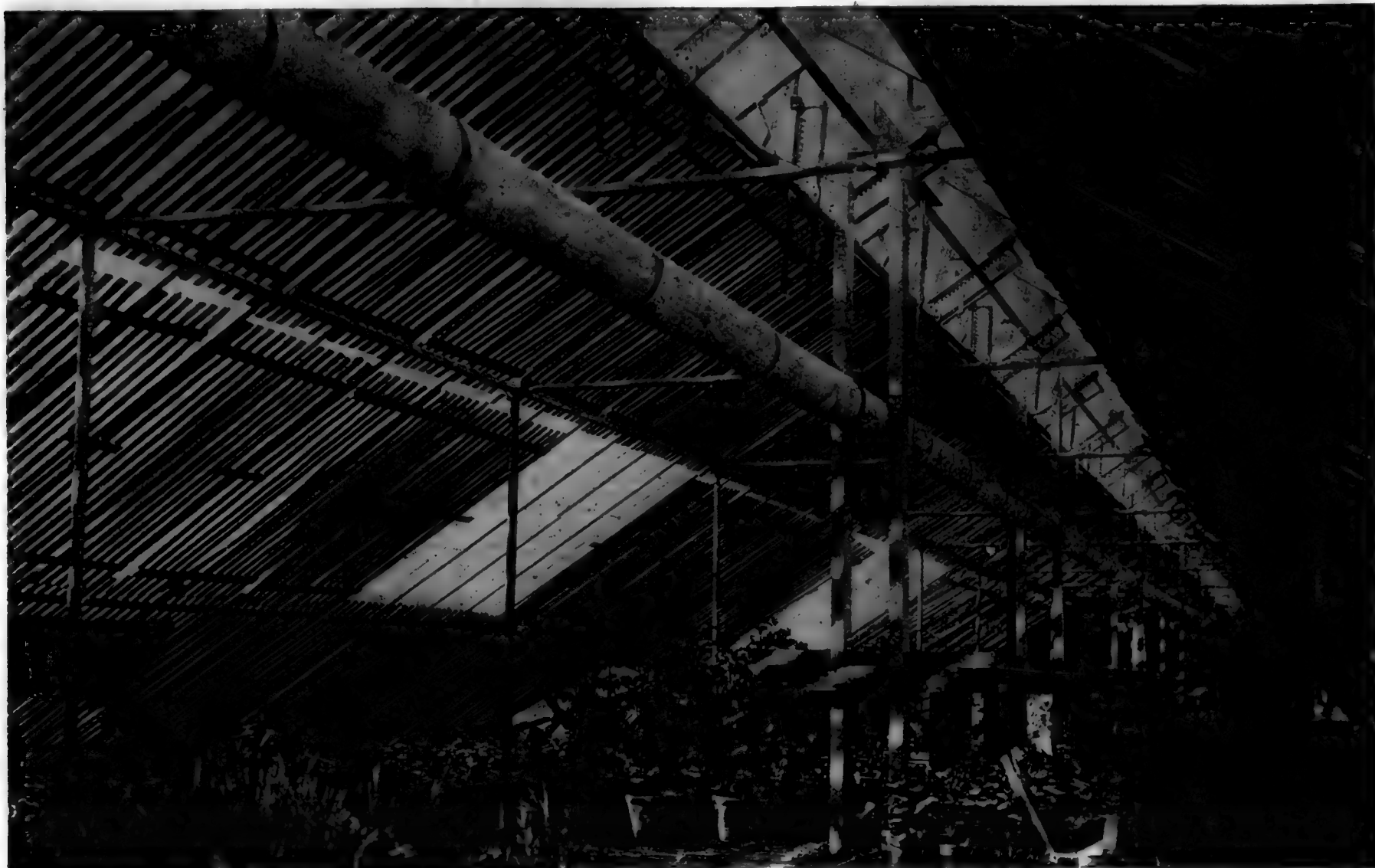
The lily has not waned in popularity one bit; it is fixed as the Easter plant. I would not advise growing the *Harisii* for Easter. For the winter months for cutting it is all right, diseased as they are we must have some, but the *Bermuda longiflorum* is the one to grow, and a good few of them should be three plants to an 8 or 9-inch pot.

Azaleas sold well. Many a plant that ordinarily would bring \$3, with the addition of crepe and 35 cents worth of ribbon, brought \$5. Beyond the latter figure few are wanted unless your customer wants to buy \$5 worth

of ribbon with the plant. Too large a plant is not wanted. We found a great demand for an azalea that we could retail at about \$1.25, and we did not have them; remember this when you order. You can buy in Belgium nice little plants for 18 cents. We found the best sale for Mme. Van der Cruysen, Mme. C. V. Langenhove, Bernhard Andreas alba, Emperor de Brazil, Edmund Vervaene, Empress of India, Prof. Wolters (rather shy of buds), Memoire de Louis Van Houtte, Charles Pynaert, and old Flag of Truce. None of these are expensive kinds, and don't forget that you want a good little plant to suit a moderate "wad."

Spiraea (astilbe) Japonica is about played out. The demand was very light and you get too little out of it for the room it occupies for some weeks. It is the cheapest plant sold. Then again, without sub-irrigation, a saucer with an inch of water in it, it is useless; it shrivels up and people are tired of it.

The Bottle Brush (*metrosideros*) is very attractive if well flowered, but you only want one to every dozen azaleas and the same lukewarm commendation can be given *Acacia armata* and *Drummondii*. I will never attempt to grow another cineraria; beautiful as they may be for the adornment of a private conservatory, they can only be grown at a profit by the man who works his wife, mother-in-law, children and aunts in the greenhouse. The *genista* has always been a good market plant where you sell to people whom you never care to see again, but in a warm room it is



Inside Lath Shading in Position.

them with care in October and get them established before you give them any heat. Rhododendrons, even grand ones, sold very slowly. I have done with them; they are too bulky, drop too quickly and are outclassed by the azalea. There are several plants that can be brought forward as a moderate priced Easter plant that the public has not yet had a surfeit of, and of which I hope to speak in time to help those who may not think of them.

Poinsettias.

Start your poinsettias now. They should be as dry and almost as ripe as a dude's cane. Shorten them back to the firm wood, shake out and start in heat. In seven or eight weeks you will get cuttings and continue to have batches of cuttings till August.

Seasonable Work.

The early Easter has been one blessing. It has given us room early in the season, and we need it badly. There are cannas to pot from the flats, coleus to shift for large plants for vases and boxes. Leave nothing starving for root room. Above all important plants are your zonale geraniums. Our selling size is 4-inch. When you shift them don't use too much fertilizer of any kind and pot firm. Solid potting induces flower, not leaves, and it is flowers with a sturdy

growth you want, and that flower is wanted about May 20th.

WM. SCOTT.

SHADING.

Some time since a correspondent remarked upon the necessity of a first-class method of shading. I submit the following for trial. It has been in use here two seasons in our general plant house and has proven satisfactory. The house is 22x75 feet, even span, running north and south, roof one-third pitch. It so happens in this case that three rows of shades make a perfect fit. The great advantage of this method over any "film" or wash shading is that every plant may receive direct sunlight part of the time. The following, taken from the 13th Annual Report, with accompanying cuts, explains the method:

Lath Shading for Glass Houses.

A method of shading glass houses that permits the work to be readily done from the inside, that makes it possible to put on or take off the shading at any time, and to change the shading from one part of the house to another at will, is desirable in the ordinary commercial greenhouse and especially so for houses in-

tended for experimental work. A plan has been devised in the greenhouse of this Station, that accomplishes these ends in a cheap and satisfactory manner. It is simply an application to the greenhouse of a screen made of lath, similar to, but cheaper than, the screens commonly used for cold frames and hot-beds. The accompanying half-tone illustration shows the lath screens as they appear in position.

These screens are supported from the sash-bars by simple wood buttons, screwed to their lower edge. The other cut shows one of the screens. It consists of 12 ordinary lath, nailed with 3d. wire nails, to cross pieces which are also of lath, the nails being clinched. In our greenhouse the sash bars are a fraction over 13 inches apart in the clear, and the screens are made 28 inches wide. The laths are placed three-fourths inch apart, except at the center, where a space two and a half inches wide is left for the sash-bar. The screen is put up with the cross pieces toward the ground, which brings the lower side of the lath on a level with the lower edge of the sash-bar, so that when the button is placed at right angles to the sash-bar, it supports the screen. In our greenhouse, the pitch of the roof is such that the screens require

no support to prevent them from slipping down, but with a steeper roof, a tack driven part way in, at the center of the outside laths on the lower side, would catch on the buttons, and thus support the screen.

When not in use, the screens are stored under the benches, or elsewhere. Being very thin, they occupy little room. They should be made of the best quality of well-seasoned house lath. If wet lath are used, the screens often warp badly. By means of a simple form, which may be devised by any person apt with tools, the screens may be nailed up very rapidly.

For houses in locations where the sunshine is less intense than in our comparatively clear and dry atmosphere, as in the Atlantic states, or in the vicinity of the great lakes, it would probably be better to place the

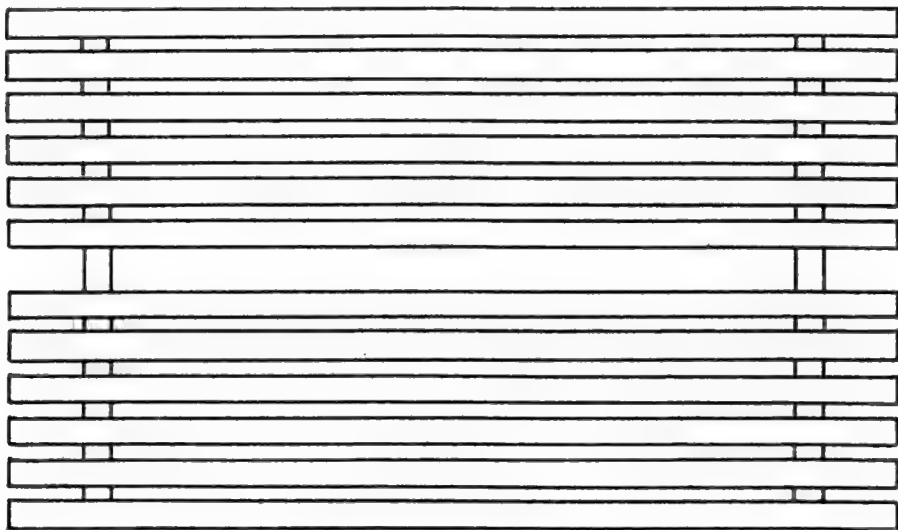
It may be questioned if any method of shading that wholly obstructs the direct rays of the sun is as favorable for the growth of most plants as one that, like the lath screen, obstructs only a part of the rays, leaving the others to shine in their full force.

FRED CRANEFIELD,
Ass't. Horticulturist, Wis. Exp. Sta.

NEW YORK.

The Easter Trade.

"You can fool the people some time, but—not always," as Barnum said, and that principle unfortunately impresses itself most emphatically upon the average florist of today. It is wrong to imagine that because there is lots of money thrown around carelessly in this country that we can honestly pocket it without a fair compensation, or, to put



A Section of Lath Shading.

lath a full inch apart than the distance noted above. Indeed, it seems well to have two or more classes of screens, with different spaces between the lath. In houses extending north and south, the east side usually requires less shading than the west, since the most intense sunlight comes somewhat after noon. We have found that screens made of lath placed one and a half inches apart answer fairly well for the east side of our Station greenhouse.

In the summer of 1894, the attempt was made to grow muskmelons in our "garden house," in which the glass was kept sprinkled with lime water, to break the intensity of the sun's rays. The plants grew well, and the foliage appeared healthy, but the vines fruited very sparingly, and the melons came far short of their normal high quality, even when left on the vines until decay had commenced. The only reason suggested for the failure of the crop to mature satisfactorily was that the sunlight, subdued by the continuous film of lime over the glass, was lacking in some of the qualities that are necessary to the normal development of the melon.

it plainly, not to give the people fair value for their money. Oh, no; the florist who starts out that way sooner or later (most often sooner) reaches the end and mourns his loss.

The Easter business of New York city for 1899 was simply a record breaker; to take it on the average, it was the poorest cut flower trade ever known, and to again take it on the average, it was the best flowering plant trade ever known. You can draw your own particular inferences from it, but let us, for the benefit of the uninformed, say what we think. Despite the condition of affairs, the prices of cut flowers at Christmas and Easter have been unreasonably high, thus we find that every year the people buy less cut flowers and more plants, because plants give them more satisfaction, more for their money.

This Easter every retail florist went heavy on plants and was anxious that the weather be fine, and it was, too, Friday, Saturday and Sunday being ideal days. Lilies were of poorer quality than scarce, and retailed at from 20 to 35 cents a flower. Cut lilies were too green and frequently had to go at 8 or 10. Azaleas were good and plentiful and brought more than they were worth for

their size. Some of the rhododendrons were grand and went with a rush. So did roses, particularly the Crimson Ramblers, which, taking all in all, were rather poorly grown. Spireas, cinerarias and genistas are scarcely worth growing; the demand for them is yearly decreasing. Bulbous stock, such as tulips, hyacinths, daffs, etc., were poor and suffered in consequence. Ericas were grand, particularly some rare varieties, which were easily the choicest things on the market. Primroses were scarce and in demand; so were sweet violets. Daisies sold well, especially the giant California variety. Of course, some of the retailers have a few plants left, but, taking a general view of the plant market, there was a larger trade than ever.

Many of the wholesalers went in for plants and the indications are that next Christmas and Easter we will see extraordinary preparations made for these occasions, like with Christmas greens the butcher and grocer and harnessmaker will be handling them.

Now, as to the cut flower market, well, the less said the better; it was simply dead; very few flowers were ordered in advance, because there were the plants to work off, and there being such a quantity of them, it required till Sunday to do so. It was the same old story of the pickling vats in the country; without any indication whatever of floods, all manner of stock found its way into the market on Friday and Saturday, much of it being of that awful Chinese color. Carnations went to sleep early, even with rubber bands 'round their necks. Violets were small, but oh! so powerfully strong in smell. Jacques went good; so did Meteors, and the market is patiently waiting for "Liberty." Beauties were rather poor, much of them being too small and insignificant to notice at all. Maids seemed to have been kept in some unhealthy place too long; so did the Brides. There was a good demand for callas and candidums, which were scarce. All manner of bulb stock was plentiful.

Bowling.

Following are the scores made at the alleys last Monday evening:

	1st.	2nd.	3d.	4th.	Av.
Burns	141	114	143	133	134
Leuly	103	154	143	122	131
Hafner	126	147	125	125	130
Donlan	120	124	...	...	122
Traendly	120	113	107	130	117
Penman	118	99	107	123	111

The return match with the Flatbush team will be played on the Flatbush alleys Thursday, April 6, at 7:30 p. m.

IVERA.

BOSTON.

The Market.

Owing to most growers holding most of their stuff back for Easter, there has been rather a scarcity of good flowers all the week. This is especially true of carnations. Bulb stock has been more in evidence than anything else and sold well all the week at the usual prices.

Roses held their own, with no advance to speak of until the last day of the week. Carnations have ruled high and what stock that has shown up was taken at the asking prices. Brides and maids have sold during the week at from \$6 to \$16 per hundred. Beauties from \$1 to \$8 per dozen, Meteors from \$1 to \$1.50 per dozen, Jacks and Brunners from \$1 to \$2.50 per dozen. The average price for carnations has been \$5 for a good quality, \$3 for splits and poor quality, with extra fancies bringing from \$6 to \$10 per 100. Violets plenty and of good quality, 75 cents and \$1 being the asking price. Valley \$4 to \$6 per 100.

Lilies, longiflorum, \$2.50 per dozen, some Harrisii selling for less. Callas \$1.50 to \$2 per dozen. Tulips, daffodils and hyacinths \$3 to \$4 per 100. Lilies in pots \$2.50 per dozen. Azaleas from \$6 per dozen up.

The Easter Trade.

With elegant sunny although quite cool weather, the day was all that could be asked for, and in most cases the volume of business done will exceed that of any previous Easter. The call was about equally divided between plants and cut blooms with the longiflorum as a leader, especially in the line of pots. As had been predicted the supply run short and some of the stores refused to take orders after 4 o'clock, although some of the smaller stores had a few left, but most of them of very poor quality. Other plants were in great demand, especially running to plants selling at from \$1 to \$2 each, notably small azaleas, genistas, valley in 7-inch pots, tulips, hyacinths and daffodils in pans. There was no call for palms or anything in green plants. In flowers the call was contrary to all expectations for the ever popular violet, and in lots of cases with valley worked in through the bunch. Mixed boxes of flowers were more in fashion than special kinds, although carnations had a great sale, with the market getting exhausted along toward evening, especially for fine grades. Roses sold well, Brides seeming to sell the best. Other varieties were in good demand, especially the fragrant Jacks and Beauties.

The News.

The April meeting of the Gardeners' and Florists' Club of Boston was held on Tuesday evening, the 4th inst. The care of and successful methods for growing shrubby greenhouse plants, such as ericas, heaths, genistas, etc., was the subject for discussion.

The building of a new hall is a subject which is agitating the Mass. Horticultural Society, some advocating moving to the Back Bay, others in favor of building an elegant structure on the present site, which does not seem to be hardly adequate for the growing demand for room which is needed by the society.

At the weekly exhibition of plants

and flowers held at the hall on Saturday, gratuities were awarded as follows: To Edward Butler, for *Dendrobium nobile*; H. A. Wheeler, for *Dendrobium Wardianum*; E. J. Mitton, for display of gloxinias. A certificate was awarded to J. E. Rothwell for a new cypripedium, and to C. G. Roebeling for an elegant *Cattleya Trianae* var. *Roeblingiana*; and award of honorable mention also for a *Cypripedium villosum* var. *giganteum*. P.

CHICAGO.

The Easter Trade.

The Easter trade seems to have averaged considerably more than last year, though it contained a few disagreeable surprises. The shipping trade was all that could be desired, and prices held up well on everything till Saturday morning, when there was a lack of demand, except for roses (which held their own all through), and as a consequence prices weakened seriously. In fact, quite a few lilies were left over in spite of all efforts to move them. Had these lilies been in on Thursday and Friday most of them could have been placed in shipping orders, and had the weather been more favorable to the retailers home demand would have taken care of them. But the weather made the local retailer cautious and there is no doubt local sales would have been much larger had the weather been more favorable. Violets were among the sufferers on account of the weather, though large quantities were sold as it was.

In spite of all drawbacks it was undoubtedly the greatest Easter we have ever had, especially from the standpoint of the wholesale shipper. And the people got good value for their money, even if prices were a little high, for the quality was excellent, and there is almost an entire absence of complaints from those who received stock by express, which is a cause of much satisfaction.

The lily situation was, however, rather aggravating, and the large stock sent in could have been handled to much better advantage had the growers kept their agents better posted as to the quantities they could supply. The supply was much larger than seemed likely a few days before, and to make matters worse the people didn't seem to be as hungry for lilies as usual at the season. The daily papers had been printing a lot of items about the scarcity of lilies and predicting that prices would be very high, and this may have influenced people to use something else without ascertaining whether the reports as to high prices were correct. Again, some prominent eastern bishop had inveighed against the use of the lily on account of the alleged soporic effect of its perfume, and his "warning" seems to have been generally copied by the press of the country.

One Chicago clergyman who was interviewed on the subject said he thought the "sleepy influence" was more apt to emanate from the pulpit than the lilies.

All the retailers report an increase over last year in volume of business, but in some cases more stock was left over than was pleasant. One serious difficulty was the delivery of plants, of which large numbers were sold. The weather was cold and blustery, and as a result everything had to be carefully wrapped, which made delivery expensive and the work slow. And the unpleasant weather deterred many customers from venturing out to make their usual Easter selections.

In plants Azaleas seemed to lead as usual, and bright colors sold first. White found few buyers. Hyacinths and other bulb stuff in pans went well, and the call seemed to be more largely than ever for plants and arrangements of moderate cost. With three leading florists the sales averaged from \$3 to \$5 each. In Easter plants the only notable novelty was the Japanese tree paeonies grown by W. N. Rudd. The blooms were semi-double, 6 to 8 inches across and remarkably attractive, but the body of the plant was thin and there was rarely more than one bloom to a plant. They were used mainly as a window attraction, and served their purpose well in that way. Some few were sold, but with many doubts as to their keeping qualities.

There was a sharp decline in prices after Easter, but trade has kept up very well under the circumstances. The supply will probably considerably increase now, as sunny weather is with us again.

Seen at the Retailers.

At E. Wienhoeber's: A pan eight feet long and two feet wide to be placed in the window seat of a church, filled with plants of white cineraria, Astilbe and *Narcissus Ajax princeps* and an edging of *Pteris cretica albolineata*. It was very effective. A companion pan was filled with white Azaleas, Cinerarias and Astilbe with stalks of lilies inserted among the plants. Many eight and ten-inch pans of hyacinths, daffodils, etc., in wicker covers. And other plants in wicker pot covers. Though crepe paper was still used there was considerably less of it than last year. Fewer arrangements of plants in expensive baskets than last year. Japanese tree paeonies. A host of azaleas and pot lilies. Heaths. Many cyclamens. In the case of the white cinerarias they combined much better with other plants than one would imagine. Mr. Wienhoeber grows only pure white flowered ones for Easter, getting seed of select white sorts. This is sown the first week in September to secure plants for Easter blooming.

At Chas. A. Samuelson's: In the center of his window a green mossy

mound surmounted by a great mass of lilies, the tub containing the stems being sunk in the mound. At the sides groups of Japanese tree paeonies, blooming plants of cattleyas and dendrobiums, cyclamens and dressed pans of hyacinths and other bulb stuff interspersed among Farleyense ferns. Among other plants in the store were small lilacs, a host of azaleas, many pans of hyacinths, etc., in pot covers, some with sashes of ribbon. In many small plant arrangements small plants of *Asparagus plumosus* were interspersed to cover any bareness and to supply additional foliage. Sometimes short pieces of asparagus were simply inserted in the soil and this answers nearly as well as the plants for the cut asparagus lasts well. Many small hampers were filled with cyclamens and other plants and tied with ribbon. A very salable arrangement was a zinc lined wicker window box filled with a dozen hyacinth plants with sprays of asparagus between the plants and the box trimmed with ribbon. These sold freely at \$6.00 each. He had an adjoining store filled with these and other plants and sold out quite clean. His supply of cut lilies was enormous and the supply of buckets, etc., running out, he borrowed a lot of the heavy tall tubs used in packing ice cream in freezers, and they answered the purpose admirably.

At W. J. Smyth's: In addition to the usual run of Easter plants, many American Beauty roses in pots, and used in many plant arrangements. A popular article was an ordinary wooden window box filled with a variety of plants and trimmed with crepe paper and tied with a sash of ribbon. A plant basket noted was a green high-handled one filled with Beauty rose plants and about two yards of nun's veiling tied on to the handle by a bow of fancy ribbon. Less crepe paper and more pot covers were noted here, as at other places mentioned. And azaleas led in plants, though there was a greater variety, including such things as *Primula obconica*. A feature of the window display was a large triple wicker vase of lilies tied with a large bow of white ribbon, and orchids.

At P. J. Hauswirth's: An immense stock of fancy carnations. But Phil says he cleaned them out pretty well and is well pleased with the Easter trade.

Various Items.

The regular quarterly meeting of the Horticultural Society of Chicago will be held at the Sherman House next Saturday (8th inst) at 3 p. m.

Chase will remove to 155 Twenty-second St. on April 15.

W. E. Lynch will occupy the whole floor at 19-21 Randolph St. after May 1 and will greatly enlarge his stock of florists' supplies.

A. L. Vaughan has started on a trip through western territory.

Mr. and Mrs. C. L. Washburn are enjoying themselves in New Mexico.

Miss Inez Stromback has returned from a seven-weeks visit in New Orleans.

Recent visitors: W. A. Hoffstadt, Shelby, O.; W. Retzer, St. Louis.

There is a very attractive program for the meeting of the Florists' Club tomorrow (Friday) evening.

Kennicott Bros. Co. say that last Friday's sales broke the record for them, being several hundred dollars ahead of the best day in the history of the concern.

Harry Balsley, of Detroit, is in town, with some novelties in the way of pots that are not pots and are still good pots. Harry will give you the answer to this riddle.

ST. LOUIS.

Easter Trade.

Easter trade was very satisfactory all around, and is still the topic of conversation. Both dealer and grower express themselves as satisfied. Some dealers report that trade was fully 25 per cent. better than previous years. Quite a number of weddings will take place this week which will keep things moving, and almost every flower was cut close for Easter. Stock of all kinds will be scarce, except bulb stuff, which is and has been plentiful all this season.

The weather was not quite to the liking of the plant men, it being a little too cold, still some claim they did very well, but nothing like last year.

In cut flowers the commission men sold out clean of everything except bulb stock. Roses in particular were scarce and brought a good price, Perles being decidedly so, something unusual, as they are generally more plentiful than the other varieties. Fancy Beauties were also scarce. Some of the very choice fancy roses brought as much and in some cases more than at Christmas time.

Same can be said about Carnations. Nearly all brought fancy prices and extra fancy varieties sold as high as \$6 per 100. There was no choice as to variety, all kinds being in great demand. The bulk was sold at \$4; very common ones \$2 and \$3. All were sold that came in, with not enough to go around.

Bulb stuff must be all cut out from the way it was piled up at the commission houses, a great deal being left unsold. Romans and Paper Whites were fine and sold at \$3 and \$4; good valley, \$4; tulips, \$3 and \$4; Dutch hyacinths looked fine; only the light shades sold at \$4 and \$5; daffs plentiful at \$3.

Violets are getting small and are nearing their end. Demand is quite brisk; 75 cents per 100 is the price. Mignonette very fine; that from Meyer's sold at \$5; other stock, \$2 and \$3. Smilax had a great call and was very

scarce. It seems that all the local growers are cut out. A fine lot would have been very profitable, as it sold as high as \$3 per dozen strings. *Asparagus plumosus* sold well and more will be grown next season, as only a few had grown it this year. They claim they did well with it. It is also reported that ferns will be scarce from now on, unless the new ones come in.

Notes.

Walter Mott, representing H. A. Dreer, Philadelphia, spent Easter Saturday and Sunday among the trade. Walter reports trade in his line very satisfactory.

On Thursday, March 30, the florists were requested to meet Mr. Hodgman at the Mercantile Club in regard to organizing a financial committee in our line for the St. Louis World's Fair, in celebration of the Louisiana Purchase Centennial. But six florists were in attendance, owing to the rush preparing for Easter. It was decided that Mr. Hodgman be present at the Club meeting on the 13th inst. All florists are invited to attend.

Mr. Walter Retzer of Shaw's Garden left for Chicago last week to spend Easter and perhaps locate there should something favorable turn up.

Mrs. Gurney, wife of Jas. Gurney, superintendent of Tower Grove Park and Shaw's Garden, died on Thursday evening, aged 75 years. Death was caused by apoplexy, from which she suffered one week. Mrs. Gurney was an interested co-worker with her husband in all his undertakings. Mr. Gurney has the sympathy of all the trade in this city.

The members of the Florists' Club should not forget that next meeting will be our annual rose meeting. Quite a number of new roses from the East will be on exhibition. The meeting will be held April 13, 3 p. m., at Odd Fellow's Hall. Pres. Sanders expects a large attendance, something like the last one.

Bowling.

A snow storm on Monday night again interfered with the attendance at the Bowling Club. Only six members showed up and rolled five games. D. Finlayson was high man. The scores were as follows:

	1	2	3	4	5	Tot.	Av.
D. Finlayson	141	155	162	167	170	795	159
J. J. Beneke	176	154	128	139	157	754	151
C. A. Kuehn	135	139	128	159	131	692	138
C. C. Sanders	116	147	136	124	157	680	136
John Young	119	149	128	118	146	660	132
John W. Kunz	146	115	124	134	128	647	129

Mr. Duncan Finlayson, one of our best bowlers, will leave us in a few weeks to take charge of Mr. H. C. Pierce's place at Pride's Crossing, Mass. Mr. Finlayson expects to return again in the fall and take his place at Mr. Pierce's St. Louis home. We are sorry to lose Duncan, as he would have helped us to again win the Evans cup at Detroit this summer, but Duncan says you'll win it again easy without me. J. J. B.

BUFFALO.

The Easter Trade.

I promised if it froze and blowed the latter part of last week that I would leave for southern climes. It did all of that and more, but the trip is postponed indefinitely. It was a cold week, hovering around the freezing point at noon and 10 to 15 degrees of frost every night. There is one consolation that fits all occasions and all circumstances—it might have been worse. It is quite conservative to say that it hurt the volume of business at least 25 per cent and entailed a much greater expense on what we did do.

One florist said this morning that in three years we should not handle any cut flowers at Easter, and the tendency is that way. It was more and more than ever a plant Easter. I have not had the leisure to interview many of my fellow craftsmen, but the few seen all say the same. It was plants, morning, noon, night, and Sunday morning; too much so, in fact. Those who laid in a big stock of good flowers, to be slangy, got left, or rather the flowers are left in the cool cellar or ice box. The demand for roses and carnations was even trifling compared to a few years ago, and as for bulb stuff, you could not give it away. There was actually no demand at all for daffies, Romans or tulips, and valley was not asked for; it answered the purpose to throw in a few dozen to keep the other flowers from shaking about in the box. There was one exception; the demand for violets was excellent; doubtful if any such quantity was ever handled here before. Besides those grown here by those who also retailed them, our busy William Wholesale Kasting handled one hundred and fifty thousand.

There were enough plants to meet all demands, even of lilies, and if all of the latter had been out that were intended for Easter, there would have been a surplus. Still, the lily has not waned in popularity. George Fancourt, of Wilkes-barre, sent a large lot of well grown hydrangeas, well colored, that were distributed widely amongst the trade. What seems wanted a great deal is something moderate in price and what the public has not seen year after year. There is plenty of room for novelties and a liberal reward is in store for the man who will introduce some neat little plant, that has not been handed up to the customer's gaze for the last 20 years, and there are many things yet to be well done. Our conglomerate, cosmopolitan mixture and breed is everlastingly after something new, and we must cater to the taste as do those who supply soap, suits or sermons.

This time the grower and the commission man, of course, have had the best of it, because the retailer laid in a good stock of flowers at a good, stocky price, and many of them have stood stock still ever since in a cool retreat, so now don't grumble, Mr. Grower.

Our commission man, Mr. Kasting, has rented a large, deep, roomy store very near the corner of Mohawk and Wash-

ington streets, the very best location in town to suit all parties, where he will move about the 1st of May. His business has increased so remarkably the past year that he kept much of his hardy stuff, such as wire frames, tinfoil and immortelles, on the roofs of neighboring houses. This is the grand quarters that was once occupied by the Buffalo Cut Flower Exchange, of which G. Sebastian Pickleman was president, secretary, treasurer and board of lady managers.

Back from the remarks above that business was poor. The demand for plants was great and had we been blessed with better weather the sales would show better than any past year. As it was, I don't believe there was an increase. In another column I have mentioned what plants sold best with us, with the hope that it may be a slight guide to your readers for their next year's preparations.

I can't resist saying that the remarkably small demand for our leading flowers was the belief by the public that they were out of their reach. They are frightened by a long face early in the week: "Oh, yes, ma'am, roses will be scarce and rather expensive." "Carnations? Oh, let me see. Why, I'm afraid they will be double what they are today." And so on and so forth. Perhaps it can't be helped, but in our city, which may be an exception, the normal quantity at a reasonable price would have been better for everybody. Everybody was able to do all the business that came their way in their own store except Mr. Rebstock, who spread out over a large part of the city, having no less than three annexes. We have tried it and don't like it. It needs too many money changers. Mr. Long was kind enough to notice a slight accident that befell W. Belsey Scott. Some may think it was plain William. No more of that; we have an accident insurance and could not run against a snag if we tried.

W. S.

ST. PAUL, MINN.

Easter Trade.

Last month was the coldest March on record. Cold northwest winds prevailed during the entire period, while the snow fall was the heaviest of the winter. Under such conditions growers and retailers alike were handicapped and the volume of trade considerably curtailed.

Easter week was no exception to the rule as regards the weather. In spite of such adverse circumstances Easter trade was good and a hurried interview with the leading dealers would indicate an increase of 25 per cent in the volume of sales over 1898.

In the line of plants there was a fair supply of good stock which sold readily, leaving but little on hand. This was an off year for lilies and we saw but one lot of choice stock. Good lilies sold at 15 cents per bud at wholesale and 25 cents at retail.

Azaleas were in good demand, re-

tailing at 75 cents to \$10 each. Spiraeas and hydrangeas sold well, also palms and ferns, while cinerarias, valley, violets, hyacinths and other bulbous stock were in fair demand for cheap stock.

Bottle Brush and Crimson Ramblers were the novelties in the plant line, the latter being very popular.

In cut flowers everything sold well from the smallest jonquil to the longest stemmed Beauty. Carnations were in extra good demand, reaching even better figures than at Christmas time, thanks to the \$30,000 find in Boston.

Prices on cut flowers ranged rather higher than for several years past. There was a good home cut, but not near enough to supply the demand. Shipped stock was of uniformly good quality, indicating that the growers and shippers are beginning to realize the importance of sending out fresh stock.

A. S. Swanson had an overflow store on Robert street filled with blooming plants, the choice of which were some extra nice Ramblers.

L. L. May & Co. had an elegant display, lilies and hydrangeas being extra good. E. F. Lemke had his usual display of potted plants and cut flowers. He has recently added a new refrigerator to his store, which adds very much to its attractiveness.

Holm & Olsen report a very busy week, with sales 30 to 40 per cent ahead of last year. J. A. May had a very good display of all seasonable stock, which sold to good advantage.

Notes.

Owing to the alteration and remodeling of the old market house several of the florists will have to find new quarters.

R. C. Seeger has moved his stock into a store on St. Peter street, near his old stand.

Fred Schulze has opened a store on the same street, near the old market house.

C. Anderson has disposed of his store on Western avenue and is working for A. S. Swanson.

Recent visitors: Walter Mott, Carl Cropp, J. Rolker, Mr. Van Zanten, Mr. Goemans, Mr. Kroeschell, Mr. Keur.

Club Meeting.

The Florist Club had a social meeting and entertainment at Minneapolis March 25th. The next regular meeting will be held at the Hotel Ryan, this city, Saturday evening, April 8th.

The bowlers made the following scores March 28th:

						Ave.
E. Nagel	128	128	168	154	153	146
E. Swahn	156	166	149	105	144	
G. Will	145	134	...	...	...	139
J. Hartman	134	134	132	121	153	135
O. Will	136	97	142	141	...	129
F. Hoppe	...	82	152	89	123	112
G. Monson	95	146	107	115	98	109
T. Lynes	...	67	101	86	78	83

E. Nagel wins the medal for the best average, it having been held for two weeks by G. Will. A good strong team for Detroit is now assured. X. Y. Z.

OLEAN, N. Y.—W. C. Ross has removed his store from Laurens St. to Union St.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

SITUATION WANTED—By a first-class all 'round florist; growing of roses a specialty; carnations, mums and general stock; good propagator; 23 years experience; single; best of references. Address 36 care of Florists' Review.

WANTED—At once, a man to take charge of a small place in Indiana: must be a good all 'round grower; good wages. Address H. M., care Florists' Review.

FOR RENT—\$25.00 per month—8 greenhouses with store and flat in Chicago. X 30, Florists' Review.

PARTNER WANTED—With small capital; one who understands greenhouse business, wholesale and retail. X. Y., Florists' Review.

WANTED—Working foreman—General cut flower and bedding stock grower; married man preferred. Address A. H. Schneider, Oak Park, Ill.

WANTED—Florist, single man, who can grow roses, carnations and a general line of plants; must not be afraid of work. Wages, \$15 per month, with board, more if satisfactory. Address Berno Floral Co., 181 to 187 Hedges Street, Mansfield, O.

SITUATION WANTED—By active and thoroughly reliable young man, 22, with up-to-date florist; one year's experience in greenhouse; anxious for wider experience; small wages at first no obstacle. Address W. Watt, Franklin Furnace, N. J.

FOR RENT OR SALE—First class retail stand, 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

FOR SALE—Retail store, with greenhouse attached; excellent opportunity for good up-to-date man; reason for selling, ill health. Address Western, care of Florists' Review.

SITUATION WANTED—By a first class grower of roses, carnations, chrysanthemums and general stock; capable of taking charge; employed at present but has good reason for desiring to make a change; best of references; age 20, single. Address 15, care Florists' Review.

SITUATION WANTED—By a married man, age 38, as gardener in a private place; can grow grapes under glass, and roses, carnations and mums, fruits and vegetables; in a place where 3 or 4 greenhouses are kept; life experience in the old country; good references; sober and industrious. Address J. S., care of Florists' Review.

SITUATION WANTED—A first class florist and decorator, at present employed by one of the most progressive and up to date florists in the country, wishes to make a change. Full particulars may be had by addressing G. W., care of Florists' Review.

SITUATION WANTED—A young man, 21 years of age and single, desires employment in or near Philadelphia, in greenhouses or cut flower store; 7 years' experience as assistant in greenhouse and cut flower store. A full statement given in what he is most experienced and what he is capable of doing, very best of reference. Address H. C. H., care of Florists' Review.

FOR SALE—A fine farm with improvements; also nursery with well established trade, located in the Chattanooga Fruit Belt. Address E. F. Wetmore, Ogden, Tenn.

SITUATION WANTED! On graperies, orchids, roses, carnations, violets, vegetable forcing. 9 years experience; references furnished; middle states preferred. DENDROBIUM, care Florists' Review.

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Strong 2 year Field Grown H. P. Roses in large assortment, \$10.00 per 100.

Strong 2 year Field Grown Moss Roses, large assortment, \$9.00 per 100.

Strong 2 year Field Grown Climbing Roses in assortment, \$5.00 per 100.

Strong 2 year Field Grown Crimson Ramblers \$15.00 per 100.

Strong Field Grown Wichuriana (Merimorial Rose), \$4.00 per 100.

300,000 2½ inch pot plants, Tea and Everblooming, in large assortment, \$2.50 per 100, \$20.00 per 1000. Hybrid Perpetual, 2½ inch pots, \$4.00 per 100, \$35.00 per 1000. Climbing, 2½ inch pots, \$3.50 per 100, \$30.00 per 1000. Clotilde Soupert (Strong), \$3.00 per 100, \$25.00 per 1000. Mosella (Yellow Soupert), \$3.00 per 100, \$25.00 per 1000.

NEW GERANIUMS Bruant's recent introductions. 10 Splendid New Doubles, the set for 80 cents. 3 Splendid New Aureole Section, the set for 50 cents. Geraniums, Standard Varieties, \$3.00 per 100, \$20.00 per 1000.

CANNAS All the Best New and Standard Varieties. President Cleveland, best bright scarlet for massing, \$6.00 per 100. Duke of Marlborough, President McKinley, Tarrytown and Robert Christie, \$10.00 per 100. Chicago, Souv. de Antoine Crozy and President Carnot, \$4.00 per 100. Mrs. Fairman Rogers, Queen Charlotte, Mad. Crozy, F. Vaughan and A. Bouvier, \$3.00 per 100, \$25.00 per 1000. Cannas, our selection, all good standard varieties, \$2.00 per 100, \$15.00 per 1000.

EULALIAS strong clumps, Japonica Zebrina, Japonica Variegata and Gracilis Univittata, \$5.00 per 100.

CHRYSANthemUMS Choice collection of best market varieties, including best of last season's introductions, \$3.00 per 100, \$25.00 per 1000.

DAHLIAS, whole roots, field grown, \$7.00 per 100, \$60.00 per 1000.

AMPELOPSIS VEITCHII, strong two year field grown, \$8.00 per 100.

CLEMATIS, three years, Jackmanii, Henryi and other large flowered varieties, \$25.00 per 100.

For full assortment of greenhouse stock write for Florists' Wholesale Price List No. 5.

If in want of Ornamental or Fruit Trees, Shrubs, Vines, Small Fruits, etc., see our Nurseryman's Trade List, or write us for prices.

THE STORRS & HARRISON CO., Painesville, Ohio.

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Open-air-dried Cypress Lumber is more durable, and better suited to Greenhouse conditions than kiln-dried stock. But you cannot get it from those that are engaged in the business in a small way—even though their entire business is confined to greenhouse material—for it takes a long time for the lumber to thoroughly dry and this means an investment in lumber that only those of large capital can make. The only way to have air-dried lumber is to buy green lumber and hold it until it dries. Those that order dry lumber from the producers of Cypress get kiln-dried stock. It is cheaper for them to kiln-dry than to hold the stock long enough to season it in the open air. We carry a large stock and fill all orders with open-air-dried Cypress clear of knots, sap and all other defects.

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OUGHT TO INSURE
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CLEMATIS.

Large flowering, either dormant or growing in pots, strong, healthy, home-grown plants, 10 leading sorts, \$2.50 per dozen, \$20.00 per 100.

Downing Gooseberry, 25,000 1 and 2 yr., very low.
H. P. Roses, leading kinds, \$1.50 doz., \$10 per 100
Monthly Roses, 4-in., fine plants 1.00 " 8 "
Pæonies, best market sorts, 1.25 " 8 "
Smilax, strong, fine plants, 3-inch 2 "

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in fine stock and large quantity.

Lady Fitzwygram, finest early white,
\$3.00 per 100.

Mme. Bergman, Glory Pacific,
Geo. S. Kalb, all at \$2.50 per 100.

Mlle. Lucie Faure, grand new White of
"Bonnaillon" type,
\$12.00 per 100.

Polly Rose, White Glory of the Pacific,
\$20.00 per 100.

CARNATIONS.

Grand America, for April delivery, per-
Cuttings of fect stock, \$10 per 100.
Flora Hill, Jubilee, Daybreak, Victor,
at \$1.50 per 100.

Finest Strain of.....CYCLAMEN

in America, in separate colors, 2-in. pots, clean
and unchecked, ready in April, \$4 per 100.

New Roses, Admiral Dewey, \$30 per
100; Maid of Honor,
\$15 per 100.

Bride, Bridesmaid, White Bougere,
Muriel Graham, C. Soupert,
Marie Guillot, Pink Soupert,
White La France, Mosella,

Fine stock, in large quantity, \$2.50 per 100.

12 finest New Geraniums of the year
for \$3.00.

3 New Bruants for 75 cents.

Extra well grown stock of Asparagus

Plumosus, \$5 per 100; Sprengerii, \$5 per 100

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	Per 100
Beauties, long.....	\$20.00 to \$30.00
" medium..	10.00 to 18.00
Maids, Brides, Me- teors.....	4.00 to 6.00
Perles	4.00 to 5.00
Carnations, long....	1.00 to 1.50
" fancy ..	2.00
" fancy sorts	2.50 to 4.00
Harrisii.....	6.00 to 8.00
Callas	6.00 to 8.00
Violets .....	.50 to .75
Romans	2.00 to 3.00
Valley	3.00 to 4.00
Daffodils	2.00 to 3.00
Tulips	2.00 to 5.00
Marguerites50 to 1.00
Smilax.....	18.00 to 20.00
Adiantum	1.00
Asparagus.....	50.00 to 75.00
Common Ferns.....	.25

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Read this and let us hear from you.

Remember, our Geraniums are grown in flats
and in soil. Our selection \$1.50 per 100, \$12.00 per
1,000. Rose Geraniums, \$2.00 per 100. Ageratum,
blue and white, 60 cents per 100, \$5.00 per 1,000.
Fuchsias, standard sorts, \$1.50 per 100, \$12.00 per
1,000. Fever Few, Little Gem, from flats and in
soil, \$1.25 per 100, \$10.00 per 1,000. Salvia Splen-
dens and Bedman, \$1.00 per 100. Heliotrope, six
varieties, \$1.00 per 100, \$9.00 per 1,000. Vinca
Variegata, cuttings, \$1.25 per 100, 4-in. stock, fine,
\$8.00 per 100, \$50.00 per 1,000. Coleus, all the best
varieties. C. Verschaffeltii and Queen, 75 cents
per 100, \$6.00 per 1,000. Coleus, in variety, 60 cts.
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Cash must accompany all orders.

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	Per 100.	1000.
Helianthus giganteus	\$3.00	\$20.00
Clumps..	6.00	50.00
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Clumps.....		

250 at 1000 rate. Send for list.

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Flowers in thumb pots;
grows rapidly, 6-in. pot,
carry 50 to 100 sprays of
rosy flowers, 12 to 18 in.
long; lasts 4 weeks when
cut and wholesale at \$2
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Very dwarf and free
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grance of violets and
lilies, \$1 and \$2 per 12,
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Asparagus Sprengerii.

2-in., 24 for \$1.50, mail-
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ROSES... 50,000 Dormant.
OWN ROOTS,
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IN COLD STORAGE, CHICAGO.

Leading varieties Hybrid Perpetuals, No. 1,
cut back to 24 to 30 inches, 3 or more branches,
\$75.00 per 1000. Hardy Climbers and Mme. Plan-
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Yellow Rambler, \$50.00 per 1000. Some varieties,
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CLEVELAND.

The blizzard is over and so is Easter. Thursday, Friday and Saturday we had freezing weather and snow storms, consequently there were not the usual early orders, everybody seemed to wait for a break in the weather and then when Saturday came it was almost impossible to wait on the customers.

The plant trade was good, \$1.50 to \$3 plants had the call, larger ones did not sell so well. The Market Florists' had their opening at the Sheriff St. market Saturday and Mr. Neuman captured first prize, with a beautiful pyramid of blooming plants. Messrs. Smith and Fetters had a purple Immortelle cross with a spray of Harrisii lilies set in a recess lettered Hope and draped with cotton batting. J. M. Gasser had his window draped in white and represented a chancel, the candled triangles on either side and in the rear a dainty pure white cross covered with fine sprays of plumosus and a spray of cattleyas, making a very neat and much admired display when the candles were lighted.

Chas. Wagner had a handsome window draped in white and a cross; Adam Graham had a beautiful bank of azaleas reaching to the ceiling and Miss Eadie had vases of spring flowers tastefully arranged. Some very fine carnations were seen on some of the counters retailing at \$1.50 per dozen, mostly Mrs. Bradt, Eldorado, Jubilee and White Cloud.

Stock was plentiful, the only thing that was scarce was select roses.

Chas. Erhart reports business better than anticipated. Mr. Beaumont is well pleased with his new location. Mrs. Carpenter, of Ashtabula, was a recent visitor.

O. A. C. O.


WHOLESALE FLORIST,

11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.

Mention The Review when you write.



REINBERG BROS.

600,000
FEET
OF
GLASS.No
charge
for
packing.**Wholesale
Growers of****Cut Flowers**

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.**51 Wabash Ave., CHICAGO**

Mention The Review when you write.

Bassett & Washburn**88 Wabash Ave., CHICAGO, ILL.****Wholesale Growers of and Dealers in CUT FLOWERS**

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.



Lynch
WHOLESALE FLORIST
19-21
E. RANDOLPH ST.
CHICAGO

Our prices are as low as any
and our stock superior.
We ask for a trial order.

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A. L. RANDALL
Telephone 1495
Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better prepared than ever to handle your orders.
Mention The Review when you write.

WHOLESALE DEALER IN
GROWER OF ROSES. CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.
Mention The Review when you write.

**Cincinnati
Cut Flower Co.**
416 Walnut St.
CINCINNATI, O. Wholesale Florists

W. A. MANN.
FRANK W. BALL

Consignments Solicited.
Special Attention Given to Shipping Orders.
Mention The Review when you write.

Wholesale Price List.

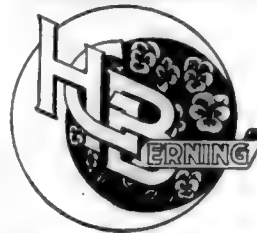
AMERICAN BEAUTY		
Extra long stem... per doz.	\$4.00 to	\$5.00
24-inch stem.....	3.00	
20 ".....	2.00	
15 ".....	1.50	
12 ".....	1.25	
8 ".....	1.00	
METEOR per 100,	4.00 to	6.00
BRIDESMAID per 100,	4.00 to	6.00
BRIDE	4.00 to	6.00
PERLE	4.00 to	5.00
CARNATIONS	2.00	
fancy.....	3.00 to	4.00
Roman Hyacinths	3.00	
Valley	3.00 to	4.00
Daffodils	3.00	
Quotations subject to change without notice.		
All other stock at lowest market prices.		

C. A. KUEHN WHOLESALE
FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.
Mention Florists' Review when you write.

**H. G. BERNING,**(Successor to
St. Louis Cut Flower Co.)**WHOLESALE
FLORIST,**

1322 Pine Street,
ST. LOUIS, MO.

Mention The Review when you write.

ELLISON & TESSON,

WHOLESALE SHIPPING

FLORISTS

3134 Olive Street, ST. LOUIS, MO.
...Home Grown Stock...
Mention The Review when you write.

C. W. WORS,

2740 Olive Street, - - ST. LOUIS, MO.

Flowers at Wholesale**ROSES, and a full line.**

Headquarters for the Southwest.
Mention The Review when you write.

**Maplewood Cut Flower and
Plant Co.** GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.

Mention The Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES,

42 and 44 Randolph St., Chicago, Ill.

Long Distance Telephone Central 466.

CARNATION

White Daybreak.

This is the fine white sport of Daybreak that originated with Mr. P. M. Broadbeck. We have sold the flowers for several years and know it to be a good thing, and a money-making sort for the grower. Mr. Broadbeck is now prepared to disseminate it. Orders may be sent to us or direct to Mr. P. M. Broadbeck, Cullom and Clark Sts., Ravenswood, Chicago.

**Rooted Cuttings,
\$12.00 per 100.**

WHOLESALE PRICE LIST.

SUBJECT TO CHANGE WITHOUT NOTICE.

We always ship Extra Select or High Grade Goods unless otherwise ordered.

P. and D. at cost.	Price per 100	P. and D. at cost.	Price per 100
American Beauties, medium	\$15.00	Harrisii	10.00
" " fancy, fair length	20.00	Callas	10.00
" " fancy, long stem	30.00	Violets, fine	.60 to .75
Meteors, extra select	\$6.00 to 7.00	Valley, our specialty	2.00 to 4.00
Brides, Maids, extra select	6.00 to 7.00	Romans	2.00 to 4.00
Brides, Meteors, Maids, good average	4.00 to 5.00	Narcissus	2.00 to 4.00
Perles, extra select	3.00 to 5.00	Smilax	20.00
Roses, our selection	3.00	Adiantum	1.00
Carnations, extra select	2.00 to 3.00	Asparagus, per string	.50 to .65
" good average stock	1.50	Galax	1.50 per 1000 .20
" White	1.50 to 3.00	Common Ferns	2.00 per 1000 .25
" our selection	1.00		500 at 1000 rate.

Above prices are subject to change without notice. All flowers in season at lowest market rates. **FLORISTS' SUPPLIES and WIRE WORK a specialty.** On Wire Goods we can discount our own or any other list. Write for particulars. Our store open week days until 6:30 P. M.; Sundays and Holidays until noon only.

Mention the Review when you write.

The Imperial Violet.

Number of plants in full bearing, 2,970
No. of No. 1 Violets picked in October.....30,500
" " " " November.....36,500
" " " " December.....39,000
" " " " January.....28,595
" " " " February.....33,500
Average per plant of No. 1 blooms, almost 57

Isn't this a pretty good record? And for these I received from \$2.50 to \$1.00 per 100. Can you equal this? And the plants are still throwing as many flowers, if not more than ever.

I cannot begin to supply the demand for this superb violet; the way things look now, I shall not be able to supply the demand for rooted cuttings. If you get left, you will only blame yourself. My new book on Violet Culture goes with every order for cuttings.

The violet is the largest, most double, longest stemmed, color so dark as to look almost artificial; healthy; and as the record shows, a very free bloomer. The parent plant of this magnificent variety gave me 118 of the finest flowers you ever saw.

Price per 1,000...\$90.00 Per 100.....\$10.00
per 500... 45.00 Per dozen... 1.50

Rooted Cuttings will be delivered as the weather will permit. Now ready, about 5,000. Address

W. L. MINOR, 588 Belmont St., BROCKTON, MASS.

Mention the Review when you write.

Special Offer.

200 Norway Spruce, 3 to 4 ft.....6 cents each
800 " 3 1/2 to 3 ft.....5 " "
200 American Arborvitae, 3 to 4 ft. 6 " "
800 " 2 1/2 to 3 ft. 5 " "
200 Irish Juniper, 3 to 4 ft.....9 " "
400 " 2 1/2 to 3 ft.....7 " "
400 " 2 to 3 ft.....5 " "
800 Sugar Maple, 10 to 12 ft.....10 " "
200 " 9 to 10 ft.....9 " "
50 American Linden, 10 to 12 ft.....8 " "
2000 Norway Maple, 4 to 6 ft.....\$15.00 per 1000
3000 " 3 to 4 ft.....10.00 " "
2000 " 2 1/2 to 3 ft.....8.00 " "
10,000 Peach, all grades and varieties.

All stock strictly first-class, carefully dug and handled.

C. L. LONGSDORF, Floradale, Pa.

Mention The Review when you write.

Ornamental Shrubs,

HERBACEOUS PERENNIALS.

A specialty of Iris, Phlox, Paeonies, Pyrethrums, Poppies, etc. Wholesale List on application.

JACOB W. MANNING,

The Leading ESTABLISHED 1864.
New England Nurseryman. READING, MASS

Mention The Review when you write.

Asparagus Plumosus Nanus.

Per 100.
1000 Asparagus Plumosus Nanus, 4-in. pots, \$15.00
1000 " " " 5 " " 18.00
200 " " " 7 " " 25.00
800 " " " 8 " " 35.00

Asparagus Seed, home grown, \$1 per 100, \$9 per 1000
Write for prices on Carnation Cuttings.

W. F. Kastling, 495 Washington St. Buffalo, N.Y.

Mention The Review when you write.



FIRST QUALITY... Dagger Ferns.

\$1.50 per 1000; Fancy, \$2.00 per 1000.

Galax Leaves, bronze or assorted, \$1.00 per 1000. Laurel Festooning, \$5.00 per 100 yards. Fine bunched Laurel, 50 cents per bunch.

All orders by wire or mail promptly filled.

CROWL FERN CO., 27 Beacon St., BOSTON, MASS.

Mention The Review when you write.

GOLD FISH and AQUARIUM SUPPLIES.

Send for Price List.

KEENAN'S SEED STORE.

6112 and 6114

Wentworth Avenue,

CHICAGO

Mention The Review when you write.

THE HARRISII DISEASE can be prevented by immersing the bulbs for 5 hours in a half solution of

Kraft's Plant Tonic

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills Hard Shelled Scale, Mealy Bug, and other insect pests without injury to the plant. Send for circular.

KRAFT PLANT TONIC CO. Rockford, Ill.

Mention the Review when you write.

ANTON SCHULTHEIS, P. O. Box 78, College Point, Queens Borough, N. Y.

HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity

Come, see **Ericas (Heather), also Full Line of Other Flowering Plants** and convince yourself. Price List on Application.

Mention The Review when you write.

GRAND RAPIDS.

A colder, more disagreeable Easter could hardly be imagined. There was several inches of snow on the ground and the thermometer ran from 10 degrees at night to 28 degrees day time, consequently all plants had to be wrapped and sent out in boxes, entailing a vast amount of work and delay in delivering.

There were not many palms sold and those that were were cheap plants, 50 cents to \$1. The supply of cut flowers was about equal to the demand, except carnations, which with some were very scarce. On the whole, business, in spite of the cold weather with all its drawbacks, was better than last year, and had the weather been better all agree that it would have been fully a third better. The following prices prevailed: Harrisii, \$2 to \$2.50 per dozen; carnations, 35 to 75 cents; tulips, valley and narcissus, 50 to 60 cents; roses, \$1 to \$1.50; extra selects, \$2; not many sold at that price; violets, 15 to 20 cents per dozen.

Henry Smith claims an increase of at least 25 per cent over last Easter. They worked night and day to fill all orders, as did Crabb & Hunter, who also increased 25 per cent over last Easter, disposing of their large houseful of lilies so close there was hardly a salable plant left. William Cunningham reports 5 to 10 per cent increase, the Grand Rapids Floral Company about the same.

T. R. Renwick & Co. cannot determine whether business was improved or not without a critical examination of their books. The greenhouses all enjoyed a good solid trade, all they could manage, business being a shade better than last year.

LOUISVILLE, KY.

Easter trade was much better than last year with plenty of flowers, principally bulbous stuff, and carnations. Harrisii were less plentiful than last year. The stores of F. Haupt, S. J. Thompson, Jacob Schulz and H. Nanz were beautifully decorated and a large business was done.

We have had many calls from Holland bulb growers, but they did not do such a good business as last year, the advance in price together with the tariff making bulb growing here unprofitable.

The outlook for spring business is good, as most people lost their plants this winter.

KY.

MARION, IND.

Easter trade here was very good, far ahead of last year, both in cut flowers, plant sales and decorations. I furnished flowers and plants for eight church decorations, compared with two last year. If the weather had been favorable everything would have moved better and with less trouble. Lilies were scarce. Shipping trade was good too. Gunnar Tellmann was lucky in having an immense crop of Kaiserins and Daybreak carnations.



REGULAR SHIPPING ORDERS RECEIVE
SPECIAL ATTENTION.

WHOLESALE GROWERS OF Cut Flowers

51 Wabash Avenue, Chicago.

We Are Headquarters for...

AMERICAN BEAUTIES,
of which we cut from 2,000 to 3,000 daily. Our **Brides,**
Meteors, Maids and Perles were never better.

OF CARNATIONS

we grow 50,000 plants of all the leading varieties, and they cannot be surpassed.

Mention The Review when you write.

WHOLESALE PRICE LIST.

	Per doz.
Am. Beauty, extra long stem...	\$3.00 to \$4.00
" 24-in. stem	2.50
" 20-in. "	2.00
" 15-in. "	1.50
" 12-in. "	1.25
" 8-in. "	1.00
Meteor	per 100, 4.00 to 6.00
Bridesmaid	4.00 to 6.00
Bride	4.00 to 6.00
Kaiserin	4.00 to 6.00
Perle	3.00 to 5.00
Carnations	1.50 to 2.00
" fancy	3.00
Roman Hyacinths	3.00
Valley	4.00

All other stock at lowest market prices.
No charge for packing.

M. RICE & CO.

NEW ILLUSTRATED CATALOGUE
FOR THE ASKING.

Exclusive Importers and
Manufacturers of

Florists' Supplies

25 N. Fourth Street, PHILADELPHIA, PA.

Mention The Review when you write.



SELECT SEEDS

For Florists and Market Gardeners.
Wholesale Catalogue sent on application.

Simple's Aster, choice strain, pink, white and
lavender, 1/4-oz., 40 cents; oz., \$1.50

W. C. BECKERT, Seedsman, Allegheny, Pa.

Mention The Review when you write.

1899

CONTRACTS

1899

Now I am open to quote prices on all Bulbs, Plants and Roots
for next season. Send in your list of wants for quotations.

F. W. O. SCHMITZ, JERSEY CITY, N. J.

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THE REGAN
... PRINTING HOUSE ...

Nursery
Seed
Florists'



Catalogues

87-91 Plymouth Place, Chicago

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writing advertisers.

CRABB & HUNTER,

Violet Specialists. Orders received now for Spring delivery of Al stock such as produces a crop—Marie Louise, Farquhar and Lady Campbell.

CARNATIONS. Rooted Cuttings of Flora Hill, Evelina, Painted Lady, Firefly, Pingree, Morello and other standard varieties.

GRAND RAPIDS, MICH.

Always mention the Florists' Review when
writing advertisers.

ESTABLISHED 1802

THORBURN'S SEEDS

JUST ARRIVED IN FINE
CONDITION

FRESH Seaforthia
SEEDS of Elegans....

Price, \$3.00 per 1000.

J.M.THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Mention The Review when you write.



Verbena King

SAYS:

Jones pays the freight—So do we on all rooted cuttings, and until further notice we will sell our fine Mammoth Verbenas at 60c per 100, \$5 per 1000; all well rooted, true to name, strictly free from rust or mildew. Our Verbenas go everywhere, it makes no difference where you live we guarantee to reach you in safety and guarantee satisfaction; what

more can you ask? Just try us and we will do the rest. We can fill all orders for Verbenas, it matters not how large the order may be, at the following prices: 60c per 100, \$5 per 1000; 5,000 for \$22; 10,000 for \$40; 25,000 for \$95; 50,000 for \$175. Yes, and we have them, too.

OUR MAMMOTH VERBENA PLANTS are now ready, they are fine strong plants and will surely please you, at \$2.00 per 100, \$18.00 per 1000.

LOOK HERE! CARNATIONS—To move them quick—Flora Hill, Mayor Pingree, Morello and Daybreak, \$1.50 per 100; Portia, McGowan and Wm. Scott, \$1.00 per 100; \$7.50 per 1000.

THAT CASH, PLEASE.

Send for new descriptive list.

C. HUMFELD, Clay Center, Kan.
THE ROOTED CUTTING SPECIALIST.

Mention The Review when you write.

And Still They Come!

SAVANNA, ILL., March 15, 1899.

SOUTH SIDE FLORAL CO.

Dear Sirs:—The Verbenas received were so exceptionally fine that I am tempted to try some of your other stock. Please send the following:

J. Y. LAMBERT, Savanna, Ill.

SMILAX. Strong Seedlings, ready for thumb pots, 50c per 100, \$4 per 1000, delivered. Now is the time to buy your Smilax and thus save the express charges which you would have to pay later from pots.

VERBENAS—New Mammoth, rooted cuttings, 60c per 100, \$5 per 1000.

PETUNIAS—Dreer's Double Fringed, rooted cuttings, \$1 per 100, delivered.

NEW GOLDEN MARGUERITE—Rooted cuttings, \$1 per 100.

ROSE and CARNATION Cuttings now ready, clean, healthy stock, well rooted, at lowest prices quoted. Send for our lists and save money.

Terms—CASH WITH ORDER.

SOUTH SIDE FLORAL CO., - Springfield, Ill.

Mention The Review when you write.


W. S. HEFFRON, Mgr.

51 Wabash Avenue,

→ **CHICAGO.**

PRICE LIST—Taking Effect April 6.

ROSES.

Am. Beauties, long, per doz.....	\$4.00—
" medium, per doz.....	2.00—
" short, ".....	.75— \$1.00
Meteors, Maids, Brides and Kaiserin, per 100,.....	4.00— 6.00
Perles.....	3.00— 5.00
Roses, seconds, average.....	4.00—

CARNATIONS

Are Our Specialty.

Fancy varieties, fancily grown.....	Per 100 \$3.00—\$4.00
Ordinary varieties, fancily grown.....	2.00—

Miscellaneous.

Marguerites.....	per 100, \$.60—
Mignonette.....	" 2.00—
Forget-me-not.....	" 1.00—
Callas.....	per doz., 1.25—
Harrisii, per 100, \$10.00.....	1.50—
Romans.....	per 100, 2.00—
Narcissus Poeticus.....	3.00—
Daffodils.....	" 2.00— 3.00
Tulips.....	" 2.00— 4.00
Valley.....	" 4.00—
Violets.....	" .75— 1.00
Pansies.....	" 1.00—

Mention the Review when you write.

COLEUS. Verschaffeltii and Golden Bedder, \$8 per 1000; Fancy, 25 var., superb, brightest colored, some grand new, \$5 per 1000.

Alternanthera. P. Major, A. Nana, Amabilis fine, all are nice bushy little plants, \$8 per 1000.

Verbena—Brightest colors, fine plants, 50c per 100. Any quantity by express at quoted rates; by mail, add 20 per cent. Cash, please.

DANIEL K. HERR,

843 Columbia Ave., LANCASTER, PA.

Mention The Review when you write.

Large Flowering Clematis

Strong, one year plants of all the leading varieties, from 3-in. pots, at \$10.00 per 100; also heavy two-year Jackmani and Henryi, at \$15.00 per 100.

GEORGE BROTHERS, - East Penfield, N. Y.

Mention The Review when you write.

Decorative.

ASPARAGUS.

Per string.....\$.50—

FERNS.

Per 100, 25c.....per 1,000, \$2.50
Maiden Hair.....per 100, \$1.00— 1.25

GALAX.

Bronze and Green, per 100, 15c....per 1,000, \$1.00

SMILAX.

Common.....per doz., \$1.50—\$2.00
Wild, crop ruined by frost.

All other flowers in season.

Above quotations are subject to change without notice. P. and D. at cost.

Extra select and inferior qualities charged for according to value.

Regardless of prices quoted all stock will be billed at lowest market rates.

Store open from 7:00 A. M., until 6:30 P. M. Sundays and Holidays closed at noon.

Mention the Review when you write.

CHRYSANTHEMUMS.

Good, strong, healthy stock of the following well-known varieties:

Mme. G. Bergmann	Rose Owen
Ivory	Eugene Dailedouze
The Queen	Wm. H. Lincoln
Mrs. Jerome Jones	Col. W. B. Smith
Etoile de Lyon	Mrs. J. G. Whildin
Miss Minnie Wanamaker	V. H. Hallock
Golden Wedding	Maud Dean
Niveus	Chillingfordii
Minerva	Geo. W. Childs
Liberty	Bessie Burton
Bonnaillon	Modesto
Mrs. J. J. Glessner	Mrs. Murdock
Belle of Castlewood	J. G. Woodford

from 2½-in. pots, \$2.00 per 100; per 1000, \$15.00

Cannas, good variety named.....\$2.00 per 100

" mixed.....1.00 "

Nymphaea Odorata Gigantea, strong roots 3.50 "

R. VINCENT, JR., & SON, White Marsh, Md.

Mention The Florists' Review when writing advertisers.

SAMUEL S. PENNOCK, Wholesale Florist

OPEN DAY AND NIGHT—From 12 A. M. Mondays to 10 P. M., Saturdays.

A constant supply of SELECT VALLEY the year round. 1612-14-16-18 Ludlow St., Philadelphia, Pa.
AMERICAN BEAUTIES OUR SPECIALTY.

Mention the Review when you write.

PITTSBURG CUT FLOWER CO., Ltd. WHOLESALE FLORISTS.

Long Distance
Phone 2157.

CONSIGNMENTS SOLICITED.

No. 705 Penn Avenue,
PITTSBURG, PA.

FLORISTS' SUPPLIES.

Write for Price List.

Mention The Review when you write.

PHILADELPHIA.

The store men report Easter trade in general as very good. The principal sellers were lilies, azaleas, hydrangeas and Crimson Ramblers. There was also an exceptionally strong demand for lily of the valley in pots, these selling very readily at 75c. per pot, containing 20 pips.

There was a decided advance in the prices of cut flowers. Carnations brought from \$2 to \$4, Brides, Bridesmaids and Meteors \$6 to \$10, American Beauties \$1.50 to \$6 per doz., Brunners \$1.50 to \$5 per dozen, Romans \$2 to \$3, Valley and Daffs \$3 to \$4, freesias \$1.50 to \$2, single violets 25 to 40 cents, doubles 25 cents to \$1 per 100, tulips \$3 to \$4, L. Harrisii \$1.25 to \$1.50 per dozen, Cattleya Trianae 50 cents, smilax 25 cents.

John H. Claus died suddenly on March 30th, at his home, 1119 Roy St., Rising Sun, Phila. His remains were placed in Greenmount Cemetery. He is survived by a wife and four children. He was born in Germany in 1862. Coming to this country in 1881 he went into the employ of Julius Wolf, Sr., and after working there for several years he started in business for himself running a store on Germantown Ave. and greenhouses on Roy St. He was 37 years of age.

Wm. Koehler, of the firm of Julius Koehler & Sons, Frankford, had a narrow escape from being burned to death by the catching fire of the couch on which he was lying. It became ignited by a match which he lit, catching the fringe on the bottom of the couch. His hands were badly burned in trying to extinguish the flames.

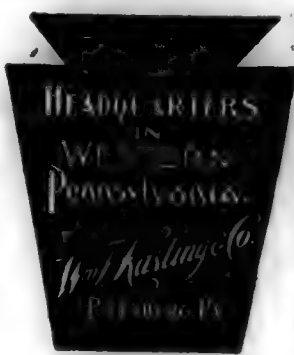
R.

PITTSBURG, PA.—The Easter display at the conservatories in Schenley Park is unusually fine and has attracted thousands of visitors daily. Superintendent Wm. Falconer is being warmly congratulated.

LOS ANGELES, CAL.—Paul de Longpre, the famous painter of flowers, has arrived with his family, and will remain two years to make a study of the flora of Southern California.

ROSES,
Carnations
VALLEY
FERNS,
GALAX, and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

Consign-
ments of
good stock
solicited.



We get
daily new
customers
because
we have
the
reputation
that
all orders
are
punctually
filled.

Long
Distance
Telephone
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WM. F. KASTING & CO., F. STOKES,
Manager.

Wholesale Florists. 444 Sixth Ave.

All kinds of FLORISTS' SUPPLIES and
WIRE DESIGNS on hand.

Mention The Review when you write.

KELSEY'S GALAX SOUTHERN LEAVES.

Brilliant
Green and
Bronze.

Information of the Introducer.

HARLAN P. KELSEY.

Prop. Highlands Nursery in North Carolina.

1106 Tremont Bldg. - - - BOSTON, MASS.

Mention The Review when you write.

Cut Flower Exchange,

404 - 412 East 34th St., New York,

NEAR THE FERRY.

Open Every Morning at 6 o'clock for the sale of
CUT FLOWERS.

Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

Mention The Review when you write.

HOUSE PLANTS IN THE HOUSE.

The PLANT trade from the point of
"business," and also the care of Plants,
treated in an attractive six-page Folder
to be given to customers.

Sample order of 25 copies mailed for 60c in stamps

Dan'l B. Long, Publisher, Buffalo, N. Y.

Mention The Review when you write.

Rooted Cuttings, Princess Pauline Ageratum,

\$1.00 per 100.

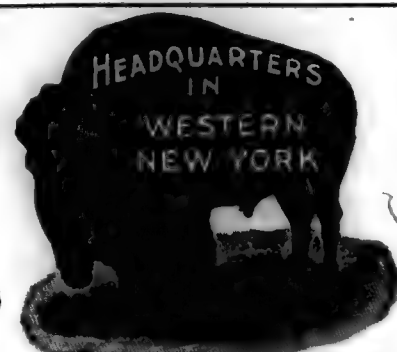
PLANTS—\$2.00 per 100; 2½-in. pots, \$3.00 per 100;
4-in. pots, \$7.00 per 100; 2-in. Dew Drop Be-
gonia, \$3.50 per 100; 2½-in. Umbrella Plants,
\$2.50 per 100.

THE J. W. YATES PLANT CO.,

22 West Liberty St., SPRINGFIELD, O.

Mention The Review when you write.

GIVE US
A
TRIAL.
WE CAN
PLEASE
YOU.



Roses,
Carnations
and all
kinds of
Seasonable
Flowers
in stock.

WM. F. KASTING, Wholesale Com-
mission Florist.
495 Washington St., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire
Designs.

Mention The Review when you write.

WM. J. BAKER,

WHOLESALE
CUT FLOWERS,

1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

Mention The Review when you write.

EDWARD REID,

Wholesale
Florist,

LONG
DISTANCE
PHONE.

1526 Ranstead St., PHILADELPHIA, PA.

Mention The Review when you write.

Pandanus Veitchii

Clean
Stock,
Pedestal
Grown.

6-in. pots, \$1.00 each; \$12.00 a dozen. Also larger
sizes. Send list of sizes required and get rates.
Also a few white leaved plants at half price, for
decorative effects or cutting up.

JOHN WELSH YOUNG, - Germantown, Pa.

Upsal Station, Penn. R. R.

Mention The Review when you write.

Rose Hill Nurseries.

Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

Largest stock in America.

SIEBRECHT & SON,

New Rochelle, N. Y.

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VINCA MAJOR

Propagated
last August.

Will make fine
plants, with 4 to 5
leads for Decoration
Day, if shifted and stopped now. \$3.00 per 100;
\$25.00 per 1000. From 3-inch pots, 5.00 per 100.

Nathan Smith & Son, Adrian, Mich.

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Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3 ft. x 6 ft., 3 rows 10 in. glass.
3 ft. 3 in. x 6 ft., 4 " 8 in. "
4 ft. x 6 ft., 5 " 8 in. "

Not glazed, 1 3/4 in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,

Lockland, Ohio.

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Chrysanthemums

Our collection of Novelties for '99 is very complete, including

INDEPENDENCE, the earliest white,
MRS. FRED L. BUTTON, the early
white from California,
and YELLOW IVORY,
as well as all others.

Also a full line of STANDARD VARIETIES.
For description see our catalogue,
free on application.

NATHAN SMITH & SON,
ADRIAN, MICH.

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HALES' MOLE TRAP

For destroying ground moles in lawns, parks, gardens and cemeteries. The only PERFECT mole trap in existence. Guaranteed to catch moles where all other traps fail. Sold by Seedsmen, Agricultural Implement and Hardware dealers, or sent by express on receipt of \$2.00, by

H. W. HALES, RIDGEWOOD, N. J.
Mention The Review when you write.

Platycerium Grande. Mounted on 6-inch cork, by mail, 50 cents each.

See Florists' Review, March 16th.

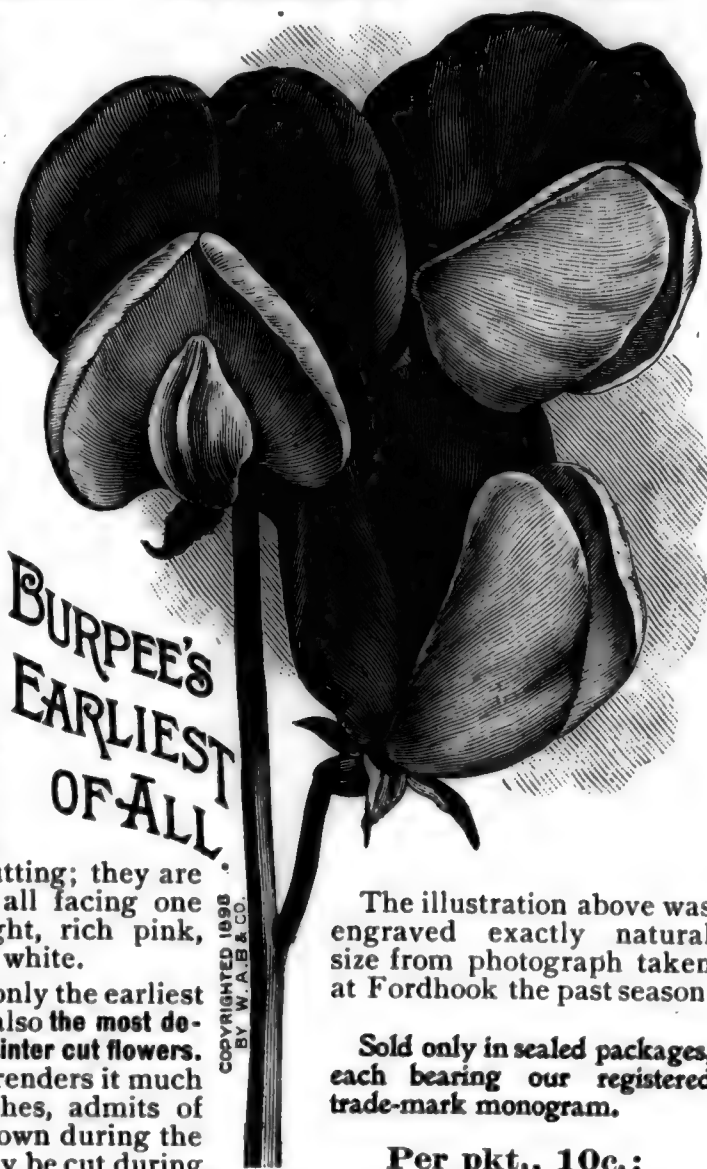
FRED BOERNER, Cape May City, N. J.

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SWEET PEA: Burpee's "EARLIEST OF ALL"

Notwithstanding their dwarf habit and neat, slender foliage, the plants are of vigorous growth and come into bloom always ten days to two weeks in advance of the Extra Early Blanche Ferry, which has been heretofore a week ahead of all other varieties. Growing only two feet in height, the plants do not require the support of brush or trellis. As an illustration of its extremely early-flowering habit, we would state that now (Oct. 15), we have plants in fine bloom from seed gathered from our spring planting and shown during the latter part of August. A constant succession of bloom may be had from June until November by making sowings about one month apart. Its extremely early-flowering habit makes it most satisfactory for the Southern States, as it may be easily had in full bloom before the hot summer weather. The flowers are as large as those of the regular strains of Blanche Ferry, and have long, stout stems, making them entirely satisfactory for cutting; they are borne in close clusters of three, all facing one way. The standards are a bright, rich pink, while the wings are nearly pure white.

Burpee's "Earliest of All" is not only the earliest to bloom in open ground, but is also the most desirable for forcing under glass for winter cut flowers. The dwarf habit of this variety renders it much more easily grown on the benches, admits of closer planting, and from seed sown during the latter part of August blooms may be cut during the holidays—while with the taller varieties no blooms could be had before February or March.



The illustration above was engraved exactly natural size from photograph taken at Fordhook the past season.

Sold only in sealed packages, each bearing our registered trade-mark monogram.

Per pkt., 10c.;
1/4-oz., 15c.; Per oz., 30c.

BURPEE'S "BLUE LIST." Our Wholesale Price List of Seed in Larger Quantities is mailed free on application to MARKET GARDENERS.

If You Plant for Profit you should write at once for this Wholesale List, BUT we cannot send it to private planters, even if requested to do so. The prices quoted in THE FARM ANNUAL are as low as we can afford on retail orders. Market gardeners, canning establishments and farmers' clubs requiring large quantities of seeds to be shipped by express or freight, are entitled to lower prices wherever possible; there are, of course, some items, however, in which we can make no difference in price, whether one pound or one hundred pounds are ordered.

A New Feature for 1899 In Burpee's "BLUE LIST" that will be of special interest to growers who plant for profit, is the "plain talks" we give this year for the first time, at the head of every department, as to just the best varieties for different purposes.

W. ATLEE BURPEE & CO.

Producers of Only THE BEST Seeds that Grow,

BURPEE BUILDING.

PHILADELPHIA, PA.

Mention the Review when you write.

ORCHIDS....

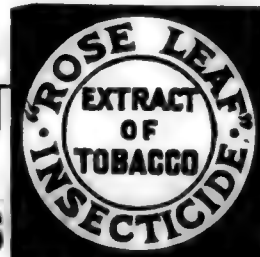
To arrive beginning of April --

Laelia Anceps, L. Anceps Alba,
and L. Autumnalis.

Lager & Hurrell, Growers and Importers.... Summit, N. J.

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THE
BEST
FOR
ALL
Florists



For Sale by
Seed Stores

For Free
Pamphlet,
write to
Louisville
Spirit Cured
Tobacco Co.
Louisville, Ky.

Mention The Review when you write.

Always mention the Florists' Review when writing advertisers.

MILWAUKEE.

Easter weather was unusually disagreeable for the florists this year, necessitating precaution against frost in all deliveries of plants and cut flowers. Stock shortened up, especially roses, in which difficulty was experienced in the filling of early orders towards the latter part of the week. Carnations were fairly plentiful, especially in fancy varieties. There was enough bulb stock to go around, with prices remaining fairly firm. Lily plants were extremely scarce, but there being a good supply of spiraea, azaleas, mignonette and callas they were largely substituted. Prices ranged on roses from \$5 to \$10 per 100, according to quality; carnations, \$3 to \$7; violets, 50 cents to \$1.00; valley, \$4; Harrisii, \$1.50 per doz.

Archie Middlemass has opened up a down-town store on Wisconsin street, near the Northwestern depot.

Ellis & Pollworth are now running two wagons, having recently put on a large wagon for the hauling of palms and merchandise. GEO. W.

PETUNIAS AND JADOO.

Wm. Robertson, gardener to John W. Pepper, Esq., exhibited two grand plants of double petunias in 12-inch pots, the plants being about 36 inches in height, and 40 inches through, looking more like chrysanthemums than petunias.—Florists' Exchange, Mch. 25.

Something unique at an exhibition, in Philadelphia at least, were two well grown plants of petunia trained in bush form, similar to what we generally see among chrysanthemums at the autumnal shows. The plants must have been three feet high and as far through. They were grown and shown by Wm. Robertson, gardener for J. W. Pepper Esq., Jenkintown, and attracted much attention.—American Florist, Mch. 25.

The double petunias that I exhibited at Horticultural Hall on the 21st were grown in half-Jadoo and half soil. I used a mixture of Jadoo liquid for watering.

WM. ROBERTSON,
Gardener for Jno. W. Pepper, Esq.,
Jenkintown, Pa.

GOVERNMENT SEEDS.

WASHINGTON, March 30.—Bids for furnishing the government with field, flower and vegetable seeds for the year ending June 30, 1900, have been asked for by the Department of Agriculture. In round numbers 13,000,000 packets of vegetable seeds, 1,000,000 packets of flower seeds, 91,000 packets of tobacco seeds, 32,000 of cotton seeds and 36,000 of lawn grass seeds are wanted. All bids must be filed not later than April 20. The seeds must be furnished ready for mailing in packages of five or more packets each.

HEADQUARTERS FOR
ASPARAGUS PLUMOSUS NANUS
W.H. ELLIOTT
BRIGHTON, MASS.
GUT STRINGS, 10 feet long, 50 cts. each.
Shipped to any part of the country.

Lady Dorothea..

Winner of Silver Cup as best New Rose—Chicago Chrysanthemum Show, November, 1898. Also Certificates of Merit—New York and Toronto.

The Florists' Rose, a free bloomer, always an attractive and selling color. No bull heads.

1 plant 50c; 12 plants \$4.00; 100 plants \$25.00; 250 plants \$50.00; 500 plants \$75.00; 1000 plants \$125.00

JOHN H. DUNLOP, Toronto, Canada.

Mention The Review when you write.

PALMS

All Home Grown, Strong and Healthy.

All Measurements are from Top of Pot, and don't you forget it.

ARECA LUTESCENS.

		Height.	Per doz.	Per 100
6-in. pot,	3 Plants,	22 to 26 in.	\$9.00	\$75.00
6 "	3 "	28 to 30 in.	12.00	100.00
7 "	3 "	30 to 34 in.	15.00	125.00
8 "	3 "	30 to 36 in.	18.00	150.00
10 "	3 "	60 inch.	5.00 each.	
12 "	3 "	60 to 72 in.	10.00 "	
14 "	3 "	7 to 8 feet,	25.00 "	

COCOS WEDDELIANA.

2 x 3-in. pot, 6 to 8-in. high, - - - per 1000, \$10.00

KENTIA BELMOREANA.

	Leaves.	Height.	Per doz.	Per 100
3-in. pots,	4 to 5	10 to 12-in.	\$3.00	\$ 25.00
4 "	5 to 6	15 to 18-in.	6.00	50.00
5 "	5 to 6	18 to 20-in.	12.00	100.00
6 "	6	18 to 20-in.	15.00	125.00
6 "	6	24 to 30-in.	18.00	150.00

KENTIA FORSTERIANA.

	Leaves.	Height.	Per doz.	Per 100
2½-in. pots,	3 to 4	8-in.	\$1.50	\$12.00
3 "	4 to 5	10 to 12-in.	2.50	20.00
5 "	5 to 6	20 to 24-in.	9.00	75.00

JOSEPH HEACOCK, WYNCOTE, PA.

Mention The Review when you write.

Moon's Trees Grow.

15,000 Oaks, 3 to 8 ft., assorted varieties, finely rooted.

100,000 Maples, 8 to 16 ft. Sugar, Norway, Sycamore and Silver Leaved, Straight and fine, special quotations.

BEECH, European and Purple Leaved; **BIRCH,** Cut Leaved Weeping, White and Yellow; **ELMS,** **ASH,** **LINDENS,** **HORSECHESNUTS,** **MAGNOLIAS** and **WILLOWS.** In fact an immense stock of choice **DECIDUOUS TREES.** Send list of your wants for estimate, or call and see our stock.

Trade Lists, also 40-page Descriptive Catalogues free on application.

Only sixty miles from New York City.

Only thirty miles from Philadelphia.

THE WM. H. MOON CO. - - - MORRISVILLE, PA.

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F. & F. NURSERIES, SPRINGFIELD, NEW JERSEY

Wholesale Growers TREES and PLANTS in Full Assortment.TRADE CATALOGUE FREE.

Mention The Review when you write.

The Morris Floral Co.

MORRIS, ILL.

Trade Prices for April.

R. C. Carnations,

READY TO SHIP AT ONCE.

	Per 100
ARGYLE	\$3.00
EVELINA	3.00
EMPRESS	3.00
PAINTED LADY	2.00
PSYCHE	2.00
FLORA HILL	1.50
JUBILEE	1.50
MAYOR PINGREE	1.50
ARMAZINDY	1.50
JOHN YOUNG	4.00
NEW YORK	4.00
MRS. JAS. DEAN	4.00
BONTON	4.00
EVANSTON, 1899	6.00

Five cuttings at 100 rate.

PLANTS, 2 1-4 inch.

	Per 100
BEGONIAS, Erfordii, fine bedder	\$2.00
" Hybrida	2.00
" Sandersonii	2.00
" Fuchsias	2.00
" Paul Bruant	2.00
" Fuchsioides	2.00
" White Rubra	2.00
" Schraiddie	2.00
10 others in small lots	2.00
ABUTILONS, Souv. de Bonne	2.00
" Triumph de Sivet	2.00
" also mixed	2.00
FEVERFEW, Little Gem	2.00
IRENES, in two colors, red and yellow, they make the best Canna borders	2.00
HELIOTROPES, Albert Dix, Czar and White Lady	2.00
SMILAX	2.00
" from flats .....	.50
MESEMBRYANTHEMUM ERECTUM	2.00
GERANIUMS, finest mixed, only	2.00
SALVIAS, Clara Bedman and Le President	2.00
DAISIES, double white and double red	2.00
VELVET PLANT	3.00
NEW COLEUS BROWNII, a crimson brown bedder	5.00
MME. SALLEROI	2.00
NEW LARGE FLOWERING YELLOW MARGUERITE	2.00
CHRYSANTHEMUMS, Mrs. Northcott, Modesto, Halcyon, Vernon Beauty, Mme. des Granges, Florence Farmer and Mrs. J. Peabody	3.00
IRIS, purple, yellow, blue and white	3.00

Five plants at 100 rate.

Mention The Review when you write.

GOOD STOCK at FAIR PRICES.

Persian and other Lilac, 5 to 6 ft., 20c each.
Spireas — Thunbergia and Reevesia, 3 to 4 feet, 15c each.
Raspberries — Cuthbert, E. Prolific, Marlboro, and Golden Queen, \$1.00 per 100, \$3.00 per 1000.
Gooseberries — Red Jacket, 2 years, 65c per 10, \$3.00 per 100. Houghton, 2 years, 35c per 10, \$1.25 per 100.
Golden Mayberry, \$1.25 per 100, \$10.00 per 1000.

GEO. F. CURWEN,
VILLA NOVA, - - Del. Co., Pa.
 Mention The Review when you write.

Rooted Runners from Marie Louise Violets,

which have borne 100 flowers per plant this last winter. From now until May 1st will sell good Rooted Cuttings at \$5.00 per 1000. Come and see for yourselves, dear friends, and I will prove to you that my stock is clean, free from disease and first class in every respect.

C. LAWRTZEN,
RHINEBECK, N. Y.
 Money refunded if not just as I say. Cash with order.

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Hardy Nymphæas For the Water Garden

We offer a full line of Hardy and Tender Nymphæas, Lotus and Victorias, for all purposes—decoration, display and for cut flowers. We make a specialty of these favorites, and our collections in both hardy and tender sorts are unsurpassed. We are pleased to furnish estimates and offer practical suggestions for planting large or small ponds to intending purchasers.

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.
 Mention the Review when you write.

American Beauties

From 2x3-in.
Rose Pots.

\$6 per 100.

\$50 per 1000.

THE BEST STOCK
I EVER SENT OUT...

JOSEPH HEACOCK, Wyncote, Pa.

Mention The Review when you write.

Hardy Perennials.

	Per 100
Clematis Davidiana, strong, 1 year	\$6.00
Eulalia Gracillima Univittata and Jap.-	
Variegata	4.00
Funkia Alba	4.00
Hemerocallis flava	4.00
Hollyhocks, double, separate colors, per	
1000, \$40.00	5.00
Helianthus Multiflorus Plenus and Soliel d'Or	4.00
Hibiscus, Crimson Eye	5.00
Iris Germanica	2.50
Perennial Phlox, fine collection	5.00
Pinks, strong clumps	5.00
Paeonies	8.00
Rudbeckia Golden Glow, per 1000, \$30.00	4.00
Spirea Polmata Elegans	4.00
Yucca Filamentosa, 2 years	8.00

All of the above are strong, field-grown stock.

VICK & HILL CO., ROCHESTER, N. Y.

Mention The Review when you write.

Poinsettia Pulcherrima...

Strong, Dormant Canes,
 from 6-inch pots.
 Can be shipped with little cost.

If started growing shortly, will give you any amount of the right kind of Cuttings..... } \$3.00 per doz.

WILLIAM SCOTT,

Main and Balcom Streets,

BUFFALO, N. Y.

Mention The Review when you write.

1840 Old Colony Nurseries, 1899

HARDY SHRUBS, TREES, VINES, EVERGREENS and PERENNIALS.

A large and fine stock of well rooted plants, grown in a sandy loam. Good plants, best sizes for planting, very cheap.

Trade list free on application.

T. R. WATSON, Plymouth, Mass.

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Now is the time
to plant,
in order to secure best
results this season.

Some Things You Want....

	Per 100
AGERATUM, blue and white dwarf, covered with Cuttings, 500, \$5.00	1.50
HARDY PHLOX, 10 distinct varieties, 2-in. pots	2.50
FUCHSIAS, 6 varieties, 2-in. pots	2.00
GIANT PEARL MARGUERITE, 2-in. pots	2.00
RUDBECKIA, 3½-in. pots	4.00
STATICE ARMERIA, 3½-in. pots	3.00
BEGONIAS, 6 varieties, 2-in. pots	2.00
ACHILLEA, the Pearl, 2-in. pots	2.00

Enough extras added to more than pay expressage. **Cash, please.**

EDWARD B. JACKSON, Stamford, Conn.

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Live Sphagnum Moss

For Orchids, etc., \$1.25 per bbl.

Sphagnum Moss

First quality, \$1.00 per bale; 10 bales, \$8.00.

Z. K. JEWETT & CO., SPARTA, WIS.

Mention the Review when you write.

SMILAX. NICE THIRTY PLANTS from thumb pots.

If shifted now will make fine stock for Summer planting. \$1.50 per hundred.

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Florists' Mutual Fire Insurance Ass'n.

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FORT WAYNE, IND.

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HARTFORD, CONN.

The Spring flower exhibition of the Conn. Horticultural Society opened March 28 with the usual bad weather, but fortunately the other two days were fine and the audience good.

To the poor quality of bulbous plants this year, is due the smaller number of entries in classes for these plants, although there were exceptionally fine exhibits of hyacinths, tulips, freesias, etc. The azaleas were very beautiful, showed care and judgment in growing and deserved the very favorable comments made on them.

Among roses, Carnot, Kaiserin and Brunner stood out most prominently, some magnificent specimens being shown. Very fine cyclamen were exhibited by James Ballantyne, gardener for Ex-Gov. Morgan G. Bulkeley, which for size of individual flowers are seldom equaled. These were awarded a first prize, and also the "Jadoo" prize, the plants having been watered with Jadoo liquid.

John Coombs had the largest exhibit of flowering bulbs and received first prizes in almost every class he entered.

Robt. Patchet, John Smith, T. J. McDonald, W. B. May and several others exhibited flowers which would have done credit to any exhibition in the country. W. B. May, gardener for James J. Goodwin, had a table of miscellaneous plants tastefully arranged, and which did not escape the visitor's eye by any means.

Chas P. Lincoln had several of his new plant and flower stands at the exhibition, which were greatly admired, and quite to Mr. Lincoln's advantage in a pecuniary way. These stands deserve all the good things said of them, as they are strong, graceful and refined in outline and color, and would harmonize with the furnishings of almost any room.

Collections of butterflies and moths, and stuffed birds were a pleasing feature, and tastefully gotten up cages, each holding a pair of beautiful white fan-tail pigeons, surrounded by daffodils and tulips, added much to make this a very beautiful exhibition, and one deserving of much larger attendance. R.

ROSES

Brides & Bridesmaids,
From 2-in. Pots, \$2.50
Nice Clean Stock at per 100

Smilax, 2-in. pots, at \$1.50 per 100.

CARNATIONS--Rooted Cuttings.

Scott, Bridesmaid, Stuart, Meteor, Gold Finch, Uncle John, per 100.....\$1.25
White Cloud, Dazzle, ".....3.50
Daybreak, Flora Hill, Albertini, per 100.....2.00
Rex Begonias, 2½-in. pots, 8 varieties per 100.....3.00

Cash with Order.

McDONALD & STEELE, CRAWFORDSVILLE, INDIANA.

Mention The Review when you write.

Look Here for Rooted Cuttings

	Per 100
Abutilon, var. trailing.....	\$2.00
Ageratum, blue and white... 1.00	
Alternanthera, red and yellow, per 1000, \$5.00.....	.60
Anthemis, double yellow... 2.00	
Begonia Rex, 50 to 80 var... 2.00	
Incarnata Gigantea 2.00	
Vernon 1.00	
Chrysanthemums, named... 1.50	
Cuphea (Cigar plant) 1.00	
Coleus, mixed, per 1000, \$3... .60	
" separate colors " \$6... .75	
Fuchsia Trailing Queen..... 1.50	
" named 1.50	
Forget-me-not, winter flowering..... 1.50	

	Per 100
German Ivy.....	\$1.25
Heliotrope, per 1000, \$10.... 1.25	
Geraniums, named; Double	
Grant, La Favorite, S.	
A. Nutt, Rev. J. B. Atkinson, Gloria de France etc., per 1000, \$12.50.....	1.50
Mixed, per 1000, \$10.... 1.25	
Md. Sal., " 10.... 1.25	
Bronze..... 1.50	
Silver Leaf..... 1.50	
Rose Scented..... 1.50	
Mrs. Pollock..... 2.00	
Freak of Nature 3.00	
Happy Thought 3.00	
Mars..... 3.00	

	Per 100
Geranium Md. Bruant.....	\$2.00
" Mrs. Parker 4.00	
Imp. Sultana..... 1.50	
Lemon Verbena 1.50	
Lobelia, blue 1.00	
Lantana, assorted..... 1.50	
Manettia bicolor..... 2.00	
Pyrethrum Little Gem 1.50	
Pelargoniums, named 4.00	
mixed..... 3.00	
Double Alyssum, giant..... 1.00	
Salvia, scarlet..... 1.25	
" golden leaved 2.00	
Violet M. Louise ..... .80	
Verbenas, per 1000, \$6..... .75	
Daisy Snow Crest 2.00	

POTTED PLANTS. 2½-inch except where noted.

	Per 100
Begonia Rex, mixed, 20 to 30 var....	\$4.00
" Louis Closson, \$4 and 6.00	
" named varieties..... 6.00	
Fuchsia Trailing Queen..... 4.00	
Forget-me-not, winter flowering.... 3.00	
Abutilon, var. trailing..... 4.00	
Mrs. Parker Geranium 6.00	

	Per 100
Mrs. Pollock Ger.....	\$4.00
Silver Leaf "..... 4.00	
Mars "..... 6.00	
Md. Bruant "..... 4.00	
Lemon Verbena..... 4.00	
Hydrangeas, P. and W., 4-inch..... 10.00	

	Per 100
Vincas Var., 2-in.....	\$2.00
" 3-in..... 4.00	
" 3½-in..... 6.00	
" 4-in..... 10.00	
Dracaena \$5.00 to 30.00	
Imp. Sultana 3.00	

Terms Cash or C. O. D.

GREENE & UNDERHILL, Watertown, N. Y.

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Bridesmaid excelled MAID OF HONOR, formerly called MISS CLARA BARTON

Plants in 2½-inch pots NOW READY. Price — per 100, \$15.00; 50 at 100 rate. per 1000, \$125.00; 250 at 1000 rate.

HOFFMEISTER FLORAL CO., 813 Elm St. CINCINNATI, O.

For sale also by

E. G. HILL & CO., Richmond, Ind., and F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

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Manufacturers of WIRE & DESIGNS
and Dealers in

FLORISTS' & SUPPLIES

Mention The Review when you write.

Calycanthus Floridus, 3 to 4 feet.

Chionanthus Virginica, 2 to 3 ft.; Cotoneaster Simonsii, 2 to 3 ft.; Deutzia Scabra, single and double, 3 to 5 ft.; Exochorda Grandiflora, 3 to 4 ft.; Halesia Diptera and Tetraptera, 3 to 4 ft.; Hippophae Rhamnoides, 2 to 3 ft.; Hypericum Kalmianum, 2 to 3 ft.; Spiraea Apulifolia Aurea, 4 to 5 ft.; Ulex Europaeus, 1½ to 2 ft. A large assortment of trees, shrubs and vines. Send for catalogue.

SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

Mention The Review when you write.

Fine Perles and Wootons

In 2-in. pots, as well as Beauties, Maids, Brides, Meteors, La France and Kaiserin — now ready. Send 50 cts. or \$1.00 for samples of what you want and prices.

Carnations out of flats ready now. Can furnish Rooted Cuttings of all Roses except La France and Kaiserins. Write **GEO. A. KUHL,**

Long Distance Phone 14.

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Iron Reservoir Vases and Lawn Settees

Manufactured by

McDONALD BROS.,

108-114 Liberty Street, Columbus, O.

Send for our 1899 Catalogue.

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The MODEL Extension Carnation Support.

Read what some of our best growers say concerning it.

QUEENS, N. Y., Feb. 16, 1897.
MR. THERON PARKER, Brooklyn, N. Y., Dear Sir:—I have tested your latest Model Carnation Support and am free to say that I consider it the best wire carnation support that I have ever seen. It is quickly and easily applied, and I think will prove very durable, and you certainly deserve great credit for the invention.

Very truly yours, C. W. WARD.

Other testimonials will appear weekly. Write for prices.

THE MODEL PLANT STAKE CO., 22 Morton Street, Brooklyn, N. Y.

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PIPES, FITTINGS AND VENTILATING APPARATUS
Send Four Cents for Catalogue.

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CARNATIONS...

ROOTED CUTTINGS.

G. H. Crane—The leader, large brilliant scarlet. Early and continuous bloomer.
Gen. Maceo (Ward) Maroon scarlet. The best of its class. Early and free.
Gen. Gomez (Ward) Cardinal maroon. Free bloomer, long stiff stems.
Glaucier (Ward) Pure white, dwarf habit.
Amerloa (Hill) Large soft scarlet.
Melba (May and Craig) Light pink.

White Cloud. All who have tried this variety declare it to be the best white carnation ever introduced.

Gold Nugget, yellow. **New York**, cerise pink.
Mrs. Jas. Dean, light pink. **Mary Wood**, white.
Mrs. Geo. M. Bradt.

Also, the best of all the other 1898 and standard varieties. **We have a FINE STOCK.**

Send for our complete descriptive Price List.

F. Dorner & Sons Co.

LA FAYETTE, IND.

Mention The Review when you write.

Herr's Carnations

Three houses of California Novelties from John H. Sievers & Co.

Iris Miller and Elsie Furgeson are entirely novel colors and should be in every grower's collection. Leslie Paul is a rival of and in my estimation better than Maud Adams. Harriet Bradford is a heavily marked fancy, and the four are very free bloomers from October 1st to end of season. There are four others, and all have extra large flowers on long, stiff stems and with perfect calyx.

12 each of the 8 sorts for \$10.00, or 250 for \$18.75

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Illustrated in Florists' Review January 26, 1899, and in Florists' Exchange August 13, 1898.

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520-535 Caxton Building, Chicago,
334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/4 page, \$13.50; full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.
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GALVESTON, TEX.—Steps are being taken to hold a chrysanthemum show here next November. Mrs. C. Dart is secretary of the executive committee.

Still Another!

M. S. WORDEN,
FLORIST,

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NORTH ADAMS, MASS., March 27th, 1899.

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Dear Sirs:—Please send me your new catalogue and price list of Jadoo Fibre. If you remember, I had a bag of it a year ago last fall. I was very choice with what I did get, and only used it mixed with other soil for Calla Lilies and some other few bulbs. Such Callas as I have grown with it! Everyone says they are the finest they ever saw. And such blooms, and lots of them!

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Respectfully yours, [Signed] M. S. WORDEN.

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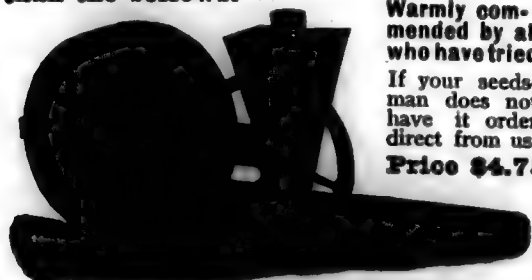
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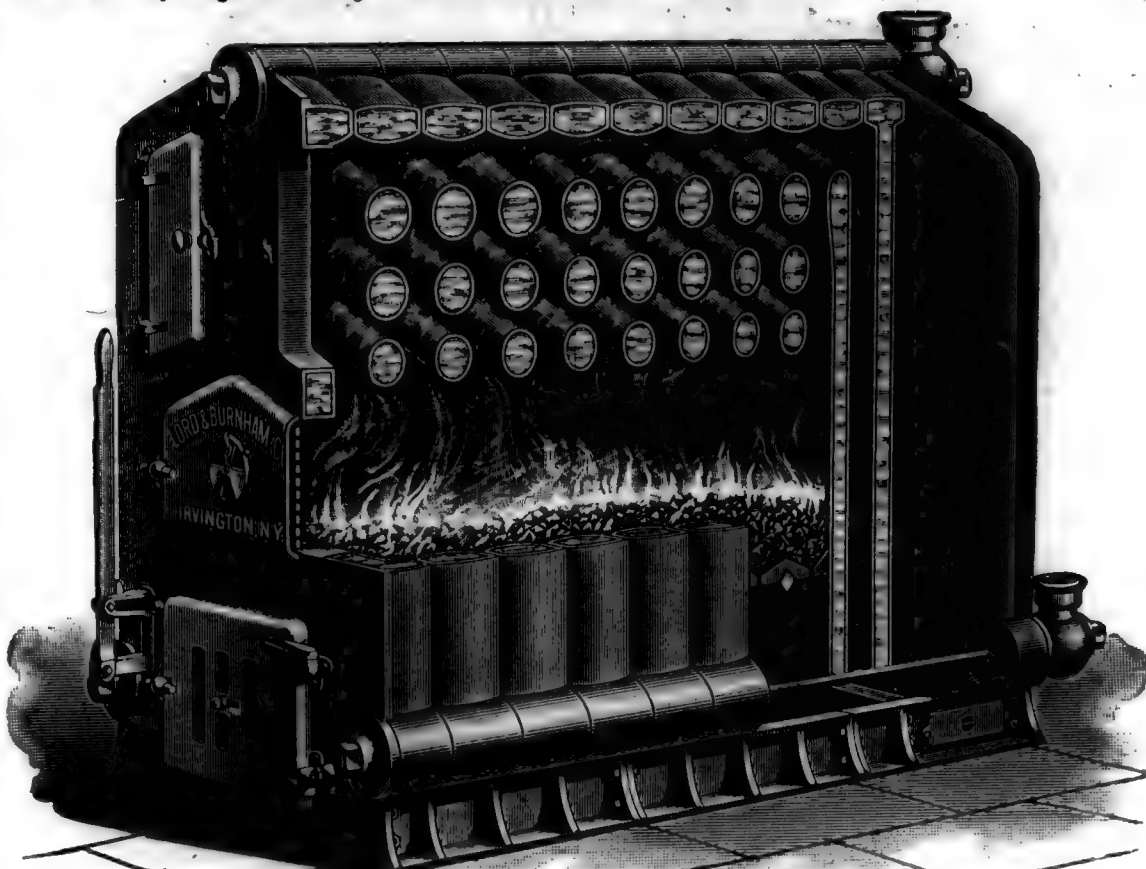
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THE WEEKLY FLORISTS REVIEW

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Vol. III.

CHICAGO AND NEW YORK, APRIL 13, 1899.

No. 72.

HELICONIA AUREA STRIATA.

The accompanying illustration gives us a fair idea of this handsome canna-like plant, at least so far as black and white can depict it, but the pleasing combination of yellow and pink coloring that is found in the leaves and stems of this heliconia must be left to the imagination.

This is a warm house plant, and as such is well adapted for exhibition in

a collection of variegated leaved plants, its free growth and large foliage soon providing a suitable specimen for such purpose.

The heliconias are all natives of tropical America, there being in all something more than twenty species known, though in all probability the majority of these species are seldom seen outside of botanical gardens.

One or two of the species are used to

some extent for food, the young shoots of *H. psittacorum* being cooked in some of the West India islands, and the seeds of *H. Bihai* being also edible. A fiber is also obtained from the leaf stems of some of the species, this being very similar to Manila hemp, the latter being the fiber of *Musa textilis*. The habit and leaves of *Heliconia aurea striata* remind one very much of some of the small growing musas, and this brings to mind the fact that these two plants are closely related botanically.

H. aurea striata is comparatively recent among our plant collections, having been introduced in 1881, and during the past ten years has frequently been exhibited, its yellow striped foliage proving very attractive under such circumstances. As noted above this plant is happiest in a warm greenhouse, the conditions adapted for alo-casias, anthuriums and plants of like character being about right for the heliconia.

A rather rich open loam answers well as a soil for this plant, and throughout the summer especially an abundance of water is required, and also moderate shading will be found beneficial. Propagation is usually effected by division of the roots in the same manner as with cannas, and but little more difficulty is experienced in establishing the young plants.

As a trade plant this heliconia is hardly likely to become very prominent, the foliage not being tough enough to endure much decorating work, but for a private collection it is well worth a place.

W. H. TAPLIN.

COLEUS THYRSOIDEUS.

Note of the introduction of this new species of coleus was made in the *Gardeners' Chronicle* last February, on its flowering at Kew. It was then described as a showy blue labiate which was likely to prove a useful



Heliconia Aurea Striata.

winterflowering plant for the greenhouse. Several plants raised from cuttings struck in spring and grown on in a warm greenhouse in summer have formed shapely bushes 2 feet high and wide, and in December they developed terminal thyrsoïd panicles 9 inches high of flowers of the brightest gentian-blue color, which have been an attraction for nearly two months, and are still good. I know no plant that is more effective in the

winter; certainly no plant at Kew has been more admired. No doubt in a clearer atmosphere than we have at Kew in winter this plant would be better even than it has been here. It is worth the attention of all who are interested in winter-flowering greenhouse plants. The leaves are bright green, coarsely serrated, and about 3 inches long and wide.—Gardeners' Chronicle.

specimens shown at exhibitions are simply impossible for most florists to produce, for they would starve to death in the meantime.

BRIAN BORU.



CHRYSANTHEMUM NOTES.

Propagation should be proceeded with as soon as possible now if specially fine flowers are required. Varieties for late work need not be started yet, but all the stock for midseason use should be in the sand by the end of this month. April is a good month to propagate mums because little or no bottom heat is required and the sun is not yet strong enough to sap the vitality out of the cuttings and make them wilt so much as it does in May. The stock plants, too, under the benign influence of spring are throwing good cuttings and it is no trouble to make a good selection.

Personally, I believe that selection of stock has everything to do with future success. New varieties very frequently don't do much the year they are first sent out, because every cutting that can be got, is rooted so as to work up as large a stock as possible, the consequence being that the constitution of the variety is impaired and can only be restored by a careful selection of cuttings the following spring. It would be more correct when we speak of a certain variety deteriorating to say that we let it run down because we did not pay sufficient attention to selection of cuttings at the propagating season. Lots of old standard varieties have been grown in England for fifteen and twenty years and still give good satisfaction simply because they have not been abused.

Here, the mum like everything else, gets more of a move on, and the transition from the cradle to the grave, or shall we say from the exhibition table to the dump, is generally accomplished in three or four years.

Some growers even yet cling to the idea that cuttings should be rooted singly in small pots, but really this is entirely unnecessary. We have grown as fine flowers as anybody in this broad land and always root our cuttings in the sand bed. It is, however, a very wrong practice to leave cuttings in the bench a long time after they are rooted. Such a policy pro-

duces a spindly debilitated plant with long, wiry roots that are very different from the thick, white roots which the plant makes in soil. We like to pot up the cuttings as soon as the roots are an inch long, then they seem to run right into the soil and make nice thrifty plants in no time.

Some varieties, like Morel and Modesto, very often throw a bud as soon as the cutting begins to grow, but if they are started early enough they will be all right by planting time, either by starting away with a good shoot or throwing up a sucker. We prefer to get the sucker in such cases, where it is possible, and cut out the original plant because it makes a better, straighter stem. If space in the houses is limited, and it often is until the bedding plants are got out, young plants will do finely in cold frames from now on. In fact, they are benefited by such treatment, for they will lay a good foundation by making lots of root and not run up so much, and be in fine shape for going right ahead when planted out on the benches.

Plants intended for specimens should be potted on as soon as they need it. Never let them get pot-bound or suffer the least check in any way. Pinch when small and keep them pinched regularly to encourage all the growths to come that will. The more shoots you get the more flowers there will be. The way to grow specimens most successfully, is to keep them in pots all summer, but they take a good deal of looking after and many growers are fairly well satisfied with the results they obtain by planting outside and lifting in September or planting on the carnation benches and getting them potted up and out of the way before the carnations are housed. Which ever way they are grown the results are always in proportion to the time and care expended. The grower should always aim to grow the class and quality of plants his previous experience has taught him will be most readily disposed of at a living profit in his own market. The magnificent

AMONG PHILADELPHIA GROWERS.

John Welsh Young.

Mr. John Welsh Young's range of glass at Germantown is devoted mainly to roses though considerable bulbous stock is handled and there are several houses of palms and other decorative plants, Pandanus Veitchii being especially noticeable, and in fine condition. The larger specimens of the pandanus are nearly all on pedestals. We believe Mr. Young was the first to use the term "pedestal grown" as applied to these plants. And it means much, as plants grown on pedestals, with abundance of light and air on every side are always more shapely and better in every way than plants grown closely together on a bench.

He is still undecided as to whether grafted roses will produce more dollars to the square foot of bench surface than own root stock, and will require another season's experience to demonstrate to his satisfaction that what is gained in one part of the season is not lost in another.

His houses are all regulation three-quarter span with side-benches next the walls and he believes that this is still the best arrangement of benches to secure the greatest returns from the space in the house. Certainly the roses on his side benches were in very good condition, though, of course, not equal to those on the center benches.

John Burton.

John Burton is inclined to favor grafted roses and quite a quantity of stocks were being grafted at the time of our visit. Last season he lost a few plants through the graft being thrown off the stock. There is danger of this when there has been an imperfect junction of stock and graft, and care should be taken to have the stock and graft of equal size, so as to insure a perfect union.

His Beauties did well up to Christmas and then many shoots came blind. We noted many canes bent down in order to make them break. And this was seen at other places in the vicinity. An old Beauty grower tells us that this expedient is a mistake as if given time each blind shoot will make a second growth that will bear a flower. Mr. Burton says, though, that a Beauty plant that has given the grower two blooms at Christmas does not owe him anything.

A house of Carnot that supplied flowers last summer was dried off in the fall and was made to produce a crop for Christmas. It was then dried out, the plants pruned hard back and another crop is expected in May.

Mr. Burton has several houses of his



Sweet Peas Under Glass.

white carnation Alba Superba, and both flower and stem are certainly fine here. The habit of the plant is very similar to that of Jubilee.

A house of *Asparagus Sprengeri* from which to cut sprays has been the most profitable one of the establishment the past season.

A tricycle carrier is found very useful in delivering small shipments of flowers to the railway station. A boy can mount the tricycle and be half way to the station with a load during the time it would take to hitch up a horse.

Myers & Samtman.

At Myers & Samtman's we noted the finest house of Maids seen anywhere on our travels. They also are experimenting with grafted plants. Taking the season through they think they get better buds on own root plants. Their grafted Brides and Maids are in 6 inches of soil, and were planted in May, which they think may have been too early. During Aug., Sept., Oct., and Nov. they produced large quantities of buds, but of rather inferior quality. During December and January the buds were of fine quality and numerous. The grafted plants break away quickly, but taking the season through they think the own root plants averaged fully as good if not better.

Their houses are 24x168 and 16½ feet to the ridge, the Beauties being on low raised benches and the other roses on higher ones.

Della Fox carnation, which originated here, is still grown to some extent.

OUR PRIZE COMPETITION.

Result of the Ballot.

First prize, \$25.00, No. 30.—Cart for carrying soil in and out of greenhouses. This was entered by Mr. Wm. G. Dobbs, 139 So. Division St., Auburn, N. Y.

Second prize, \$15.00, No. 11.—Device for ventilating a sash house. This was entered by F. E. Palmer, Brookline, Mass.

Third prize, \$10.00, No. 3.—Cheap and efficient smoker. This was entered by W. R. Shelmire, Avondale, Pa.

Other devices that received favorable consideration by those sending ballots were No. 20, tray for delivering Easter lilies; No. 23, support for shading over frames; No. 27, sprayer and distributor; No. 25, trap for grubs; No. 18, substitute for glass; No. 5, convenient wheelbarrow; No. 22, device for cutting paper; No. 24, to keep barrel always full of water; No. 6, method of keeping cut flowers; No. 9, device for screening soil; No. 10, double deck potting bench; No. 21, for washing palms; No. 32, rose stake tyer; No. 8, hose nozzle; No. 4, support for bedded plants; No. 33, to use in shifting small plants; No. 2, finger knife; No. 1, extension to bucket; No. 31, ventilator rod and fastener.

We have arranged the above in the order in which they stood on summing up the ballot. The three prize winners stood well above the others,

and there could be no question as to the preference shown them. Checks have been mailed to the winners.

SWEET PEAS UNDER GLASS.

The accompanying engraving is from a photograph taken Jan. 6th last of a house of sweet peas at the establishment of Mr. Ant. C. Zvolanek, West Hoboken, N. J. The boxes seen in the picture are 6 inches wide and 6 inches deep. The seed was sown in these boxes, out of doors, Sept. 2, and the boxes taken inside the last week in October. The plants began to bloom Nov. 20th and the first cut of 200 flowers was sent to market Nov. 24th. The house is 12x73 feet and built of sash containing 6x8 inch glass. The temperature given was 45 degrees at night. From this house Mr. Zvolanek cut 20,400 blooms during the month of December and 38,800 during January, the stems 14 inches long.

The variety is one that originated with Mr. Zvolanek. Five years ago he noted among some Lottie Eckfords a plant that started flowering about two weeks earlier than the others and dwarfer in habit. The following year he fertilized this with Blanche Ferry and the result was a decided improvement in color, stem and habit. He has named it Zvolanek's Christmas.

He has five other houses of sweet peas, the seed having been sown outside in 4-inch pots early in September and the seedlings planted out in the solid beds inside in November and December in the same soil in which chrysanthemums had been growing. These seem to do as well as those in the boxes, supplying a crop of flowers by Christmas.

AMERICAN CARNATION SOCIETY.

We have received a printed copy of the proceedings of the eighth annual meeting of the American Carnation Society, held at Philadelphia, Feb. 16 and 17 last. All the various essays appear together with full and complete reports of the discussions. The list of carnation names, revised to Feb. 1, 1899, is exceedingly useful for reference, and full description is given of each new variety that has been registered with the secretary. A copy of the report is sent to each member of the society. The annual membership fee is \$2.00 and anyone interested in carnations may become a member by sending application, accompanied by the amount named, to Albert M. Herr, secretary, Lancaster, Pa.

OUT-DOOR GROWN NARCISSES.

Speaking of the narcissus flowers so largely grown in the Scilly Islands for the London market the *Gardeners' Chronicle* says:

"It is the practice of the cultivators of these flowers to gather them before they are fully expanded, and to place them in vessels containing water,

which are stood in a building having a temperature of about 50 degrees, so as to force them to expand. The fact of this being done without, as it were,

aging the flower, enables it to remain in good condition for a longer period of time than would be the case if it expanded fully in a natural manner."

MISCELLANEOUS SEASONABLE HINTS.

Azalea Mollis—Heaths.

In my last week's notes I forgot two Easter plants that sold fairly well. One was the inexpensive hardy *Azalea mollis*. You don't want many of them, yet a few go well. I remember a few years ago having a hundred or two and flowering them in May. In the bright warm days under glass they dropped their flowers quickly, but in the cool weather of our past Easter the petals hung on almost as good as those of an Indian azalea. There are no competitors against them in their beautiful tints of yellow, orange and pink. Remember also that you don't have to grow them for six months under glass; a cold frame or any sheltered place will keep them dormant till forcing time, and four or five weeks under glass will bring them into flower. When ordering just remember that the variety called Anthony Koster is a magnificent lemon colored flower; we measured one truss of this sort that was over six inches across.

Ericas, which the Scotchified people call heather, sold very well, but unless you are going to grow them largely it is just as well to leave their cultivation to the specialist of Long Island, who with the help of the salt sea breezes and suitable soil can supply you with a better heath than you can grow for the money.

Azaleas.

You are nearly sure to have plants of several kinds unsold after Easter. Some of them can be grown over for another season to great advantage. I once said that for those who grew only a limited number of azaleas it was cheaper to throw away those that were left over and import new stock every fall. I am not sure but what I was right and if I was not right I am right now in saying what I believe to be right in the light of further observation and experience. If your azaleas flowered but little and have made a strong young growth let them grow, only pinching out the growths that are pushing out beyond the rest; be sure to pinch off any seed pods left on. Those azaleas that have flowered profusely should be cut back beyond

where the flower appeared; that will be the wood of last year's growth. They should be in a good, warm house and often syringed. They will quickly break and make fine compact plants.

Let all danger of frost be gone before you plunge them outside. Some growers say they should be in a shady position but not under the drip of trees. They will do perfectly well plunged to the rims of the pots in the broad sun, but what would be perfection is a covering of cheese cloth a few feet above that could be rolled over them during the hottest hours of our hottest months. They grow a great deal during summer and in plunging them allow for expansion. Watering once a day is not enough in the hot weather, and when they want water they want it, and as you are all gardeners, enough said. These azaleas summered over will not have as large flowers as the newly imported ones, but any quantity of flowers, and they are much more readily forced into flower.

The Bottle Brush.

The *metrosideros* (Bottle Brush) is a better plant the second year than those imported the previous fall. Cut the last year's growth pretty hard back and keep cool till planting out time, when shake off soil not occupied with roots and plant in good, light rich soil. They will lift easily in the fall and be a better plant with many more flowers than the imported plants.

Acacia Armata.

Acacia armata (*Mimosa paradoxa*) should be cut back, leaving only two or three inches of last summer's growth. Give them a shift if the pots are filled with roots and with the increasing heat they will make a good growth and be plunged out of doors during the summer months. They will be much more satisfactory than the first year imported plants.

Hydrangeas.

Unsold hydrangeas that have lost their beauty should be cut hard back or to where there are some good buds, shaken out and repotted and started growing again and treated the same

as the young spring struck stock during summer. These will make large plants and you want but a few. The young plants propagated in February make the most salable sized plants.

We never mind owning up an error, and neglect will creep into the best regulated families. Last year we had a fine lot of young hydrangeas plunged in a frame during summer and they grew and made leaves like pie plant, in June, but for a month or two before frost came they were so crowded that the strong buds forming on the stem had no chance to get sun to ripen or mature them and the flowers that did spring from these bottom growths were weak. Not only hydrangeas but any and all plants should have room to get air and light on all sides.

Seedlings.

As soon as the asters, phlox, zinnias, stocks, and other of the common annuals have fully developed their seed leaves it is time to transplant them into other flats with room to grow. This should be done before they get long and lanky and weak; and when transplanted the seed leaf should be little above the surface of the soil. I have had occasion to speak of this simple operation before to-day. It is surprising what a poor fist many men make of this job. The young rootlets like to incline down, not up, but that is not the worst mistake. I have seen more than one gardener (?) puncture the surface of the soil making a good sized hole, then drop the young plant into it and press the soil tight round the tender stem, leaving the roots very loosely suspended. The surface will take care of itself with the good watering you give the flat when filled. The stick or dibber you use should get well down by the side of the roots, and press the soil solid round them so that they will take hold and root immediately. A cold frame with means of covering in case of a hard frost is a better place for these so-called hardy annuals than the greenhouse.

Cyclamens.

The science of growing a good cyclamen (and it is one of our very best winter flowering plants) is continual vigilance. The best place for them now and the next two months is a mild hot bed and of all structures that need watchfulness it is this primitive greenhouse. Before putting them into the hot bed they should be shifted if at all necessary. If sufficient drainage is given there is not much danger of over potting. They should be plunged in some easily handled material, near the glass, syringed lightly every fine morning and some means found to fumigate them; an inch or so of fresh tobacco stems on the surface of the plunging material between the plants will help greatly to keep down the aphids.

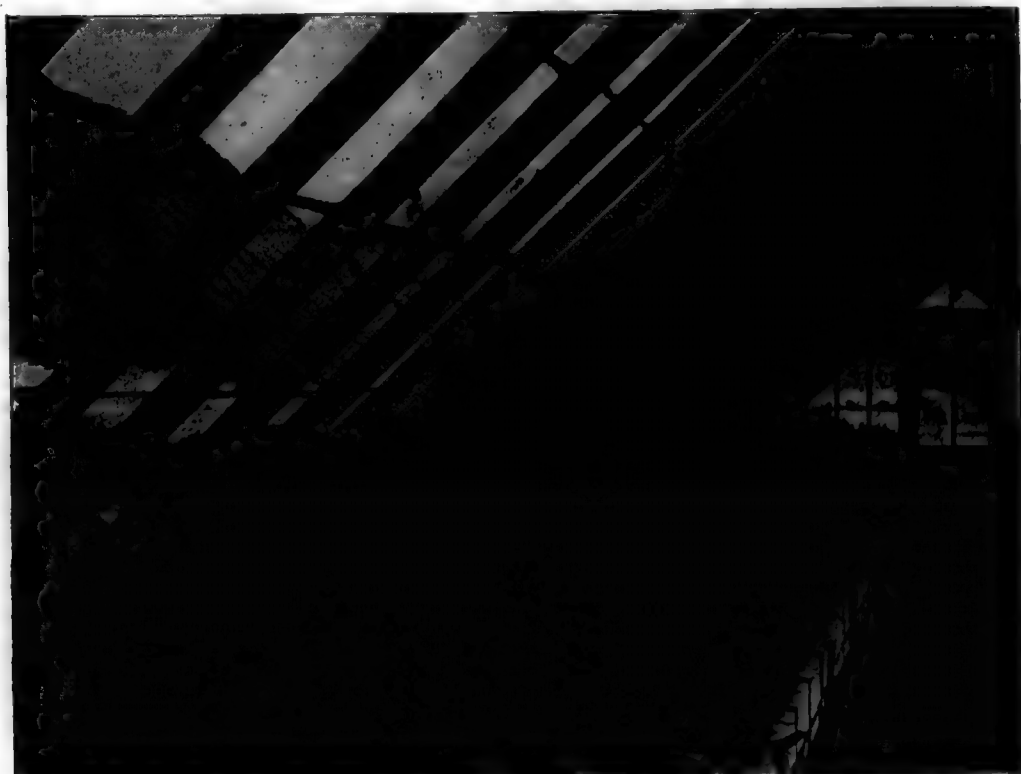
Hot Beds.

With the greatly increased room which all your spring plants will need

when shifted your benches will soon be again crowded and the hot bed is a great relief. There is no need of three feet of stable manure, as we used to make up to grow cucumbers in a temperature of 80 degrees. If there is 18 inches of manure well trodden down it will be plenty and last long enough to keep the plants growing far better than a greenhouse bench till warm weather arrives. There are many plants that are far better done in the hot bed than in the greenhouse and several that can't be grown satisfactorily without them. Verbenas, lemon verbena, achyranthes, coleus, sweet alyssum, all the varie-

years ago, and we have saved our own seed annually since, selecting the best formed and best colored spikes. There were many spikes much larger than the dimensions given, but the size mentioned is large enough for our trade. We think it pays, for by the first of May it is about gone and the space is used for bedding plants. We retail it at one dollar a dozen spikes. If you do not need the room badly, when warm weather arrives a great growth occurs and although not of quality sufficient to sell by the dozen, yet is remarkably useful to mix in for "green" among cut flowers.

WILLIAM SCOTT.



Mignonette.

gated and sweet scented geraniums, alternantheras and many others. The zonal flowering geraniums should not be put in the hot bed, for they make too rank a growth to the detriment of their future bedding usefulness.

WILLIAM SCOTT.

MIGNONETTE.

The illustration of mignonette is a portion of a bench, 3 feet 6 inches wide, grown in five inches of soil. The spikes would average about eight inches of flower with nine or ten inches of stem. The seed was sown middle of August and the plants thinned out to one foot apart. We began cutting at Christmas, but not in great quantity until the middle of February. The temperature during the very cold weather was very low some nights, but a little above freezing. The soil is a heavy loam, with about a sixth of rotted cow manure and some bone dust.

The variety is the strain that Mr. John May sent out seven or eight

CHICAGO.

The Market.

The supply has largely increased, but good stock is holding up well in demand and prices are reasonable considering quality. Poor stock suffers, however, and some lots go at very low figures. The above applies to roses, carnations, etc. As to lilies, the story is unpleasant. The market is swamped with them, and prices are down to nothing. If a consignor gets anything over express charges he is considered in luck. Evidently there is a lot of lilies that were too late for Easter. Aside from tulips, which move very slowly, if at all, other bulbous stock has picked up considerably and seems to be doing rather better than at Easter time.

The wholesalers all agree that it is a mistake for growers to increase their consignments of bulbous flowers at a holiday time, excepting lilies, of course. Of Romans, daffodils, tulips, narcissus, etc., there is rarely more

sold for a holiday than at any other time. The great mass of the retail customers at holiday times are holiday buyers only and know nothing but roses and carnations. And the country florist who has shipments from the city nearly always has a good crop of bulbous flowers himself for a holiday. Much more satisfactory returns will be secured by the grower for the wholesale market by bringing in his bulbous flowers a few at a time and sending in a regular and continuous supply, extending the season over as long a period as possible, and sending in no more for a holiday than at other times.

Smilax is now almost an unknown quantity in the market, and absurdly high prices are obtained for very inferior stock. The heavy call for smilax is probably due largely to the great scarcity of other greens, especially common ferns.

Club Meeting.

At the meeting of the Florists' Club last Friday evening the reports on the Easter trade indicated a universally satisfactory business, though there was some mourning over the lily situation. Some of the retailers noted quite a little falling off in the call for lilies on the part of customers, but it was the general belief that the reports in the daily papers prior to Easter were mainly responsible. The wholesalers took the growers to task for not keeping them fully informed as to what they could supply for Easter, so as to enable them to give intelligent advance quotations. Had this been generally done many more lilies could have been shipped to outside customers. One retailer noted also less call for lily plants, though price asked was moderate. Hyacinths and daffodils in pots seem to have moved as freely as anything.

There were displayed at the meeting some of Harry Balsley's new style pots, as noted elsewhere in this issue. There was also a vase of seedling carnations grown by James Harts-horne, containing many promising sorts, especially among the reds. And a bunch of sprays of *Acacia paradoxa* was shown by Jos. Reeve, who believes this *Acacia* will be a factor as an Easter plant.

At the next meeting, April 21, Prof. Caldwell, of the University of Chicago, will read a paper on "The relation of bacteria to soils and plant nutrition."

Various Items.

John P. Tonner is building two new houses, each 20x100, and rebuilding three old houses at his place in Galewood. All his glass is now devoted to carnations and Meteor roses. He is also erecting a fine new residence.

The Horticultural Society of Chicago held its quarterly meeting at the Sherman House last Saturday afternoon.

John C. Moninger Co. is working overtime on orders and say the spring

rush of work has arrived unusually early.

Bowling.

Following are the scores and averages made at the alleys after the club meeting last Friday evening:

	1st.	2nd.	Av.
Geo. Asmus	155	140	147½
E. F. Winterson	148	146	147
A. Henderson	145	147	146
C. W. McKellar	154	132	143
W. Kreitling	117	144	130
G. L. Grant	156	95	125
P. J. Hauswirth	110	130	120
Chas. Hartwig	81	...	81
Jos. Reeve	65	87	76
P. M. Broadbeck	62	...	62

BUFFALO.

Trade Conditions.

This will long be remembered as a cold, bleak spring; in garden operations a month at least later than last year. Further reports convince me that in the aggregate there was no advance on last year's business. An improvement may be reported from one or two places of business, but that can be accounted for by the parties having more room, larger stock and better facilities for doing business. The weather will account in part for our "arrested development" or "upward tendency," but not wholly.

There is a good demand for roses, carnations and violets at a sensible price, but other flowers are greatly in excess of demand. It is amusing, if it did not "hurt," to see the beautiful display of lilies in windows, greenhouses and cellars. You would think you were in the city of Hamilton, the guest of Her Britannic Majesty's Military Governor of the Island of Bermuda. Dutch stuff has gone to blazes. One Main street store put out a sign "Tulips and Daffies, 25 cents per doz." The next store below went him 5 cents better or worse. Then two more stores "saw us" and "called us" at 10 cents per doz. All good stuff, not Easter surplus, but fresh flowers. To those who import their bulbs and pay duty, freight, and those old boxes which we even have to pay duty on, must realize what a lucrative business it is to grow Yellow Prince tulips or Von Sion narcissus at 10 cents per dozen.

Club Meeting.

The chief event of this week will be the annual meeting of our club to elect officers for the coming year, and incidentally adjourn to a place where fish, flesh and fowl will be served in every modest style. We expect, through Billy Kasting's enterprise, to see a carnation show little short of our annual convention, and those who could not attend the wonderful show at Philadelphia will have an opportunity to see Generals Maceo and Gomez under command of a Marquis, and Melba and Cerise Queen coquetting with Whitcomb Riley. We hope that Gov. Pingree, aged as he is, is not getting jealous of a younger yellow, if it is a Gold Nugget. We fully

expect that Jubilee will be Crane-ing its stiff neck to scan its competitors, but will console itself with the fact that they are all sons and daughters of America. And we hope to see many more flowers as well as some of the growers. This is, however, prospective. The retrospective will contain more facts and you shall have it in good time.

Various Items.

Almost the last brigade of the bulb men passed through the city a few days ago. The rear guard told us that only twenty Hollanders had crossed the Atlantic this spring. We must have had the nightmare or something worse. We should have estimated that the number was 420. Mr. Boddington, of New York, was here and as he represents some A1 firms he pocketed some good orders. Mr. Gould, of Midleport, was also in town.

Mr. Albert Wasson, for several years manager of Mrs. D. Newland's greenhouses, has retired from the position and is succeeded by Stephe Jones, one of the Jones Brothers, who are all very capable greenhouse men.

Bowling.

The following scores were made by the club, Friday evening, April 7:

	1	2	3	4	Tot.	Av.
G. McClure	140	148	138	132	529	132
G. Kumpf	112	151	119	129	511	128
W. Webber	150	125	122	...	397	132
W. Grever	130	114	125	...	369	123
Wm. Scott	114	163	168	154	619	155
C. Reichert	122	109	110	83	424	106
W. A. Adams . . . . .	...	92	108	...	200	100
D. J. Scott	117	119	164	139	539	135
H. Buddenborg	79	125	70	...	274	91
G. Schmidt	117	165	141	...	423	141
W. B. Scott	121	120	117	...	358	119
C. Risch	166	125	121	158	570	143
Mc. Nolan	118	125	124	...	367	123
W. F. Kasting . . . . .	...	163	132	139	434	144

W. S.

BOSTON.

Review of the Market.

The customary reaction which follows the holiday rush of business has taken place during the week, but not to such an extent as to make trade what you might call dull. The universal Easter weddings are much in evidence and help out the demand very much. Goods of all kinds are in ample supply, but at much lower prices and it looks now like a good even run of trade up to warm weather. Roses are excellent in quality, Brides and Maids selling fairly well at from \$4 to \$12.50 per 100; Metcours, rather slow, from 50 cents to \$1 per dozen; Beauties range all the way from 50 cents to \$5 per doz.; Jacks and Bruners holding their own at \$1 and \$2 per doz. Carnations, of good quality, run from \$2 to \$3 per 100; extras, from \$4 to \$6; seconds, \$1 to \$2. Violets from 25 to 75 cents per 100, quality very good for so late in the season. Longiflorum lilies seem to be plenty, selling at \$1.50 to \$2 per dozen; Callas, 75 cents to \$1 per dozen; valley from \$2 to \$6 per 100; bulbous flowers running from 25 to 50 cents per dozen.

The News.

Mr. Thomas F. Galvin, Boston's well known retailer, has started on a trip to Cuba, where he has some interest in a new horticultural venture, the growing of palms and tropical plants for northern trade, his brother, Joseph Galvin, has charge of the Cuba plant. Jack Edgar, the foreman of the extensive establishment of E. N. Pierce & Sons, of Waverly, is taking a well earned vacation, having sailed for the "old country" on Wednesday last.

It is with a great deal of regret that we note the death of Mr. A. C. Bowditch, one of Boston's old time florists, and a member of a noted family of horticulturists.

The Holland bulb men are very much in evidence this week, such men as Van Zanten, Beerhorst and Jac. Wezelenburg being represented here during the past few days. P.

ST. LOUIS.

The Market.

The trade about town since Easter has been very satisfactory and almost every one has been busy, mostly funeral work, the past week. Stock of all kinds has been plentiful during the week, roses in particular threaten to become a glut, but a good local demand with good shipping trade used up all the surplus stock.

The quotations are somewhat changed, being lower. The best Brides Maids, Meteors and Carnots dropped from \$8 to \$4 and \$6; Perles and Wootons \$2 and \$3. Perles have been very scarce of late, but are coming in better now and indications are that they will be very plentiful. Some fine long Beauties were seen the past week that brought \$4 per dozen, the poorer ones selling from \$1 to \$2 per dozen. Carnations are still in big demand, especially white, which have the call this week, bringing \$2.50 to \$4 for fancy varieties; common \$2 and \$3.

Bulb stock is still being piled up in large quantities. Dutch hyacinths, Romans, Paper Whites, tulips and valley are selling well but only the lighter grades, such as can be used for funeral work. Harrisii and callas also sold well the past week and there are plenty of them in the market just now, owing to those growers who were late with their stock for Easter. Violets are not over plentiful and are in fair demand, bringing 50 cents per 100. The small singles are all gone and Californias are the only ones to be had. Sweet peas are a little slow in coming in and sell at 50 cents, growers say there will be more of them by the end of this week. Smilax and fancy ferns are a scarce article in this city, but the wholesale men have promised us some by the end of this week. The season is very backward for the plant and seedsmen and all are complaining very much as to business. The nurs-

erymen all report large orders for fruit, shade and ornamental trees, also all kinds of hardy shrubs.

Various Items.

The chrysanthemum show committee will meet this week Thursday at 2 P. M., just before the opening of the meeting of the Florists' Club, which takes place at 3 P. M., to work on the preliminary list for the show.

Visitors in town last week were Joe Rolker, of New York; S. S. Skidelsky, of Phila., and Everett Guy, of Belleville, Ill. Rudolph Kuehn, late of Stillwater, Minn., was also a visitor. Rudolph is not related to our Charlie. He is now in business at Hot Springs, Ark., and from his talk is doing very well.

Riessen Floral Co., on Broadway, made their usual fine Easter display last week, which attracted a great deal of attention.

Beyer Bros. have been very busy of late with decorations, having no less than five in one day. They report Easter trade in plants very good, but the weather was not to their liking. F. C. Weber, George Walbart, Mrs. Ayers and Luther Armstrong, the West End florists, have very attractive windows, making fine displays with blooming plants and fine cut flowers. Easter trade with them was better than ever.

Bowling.

A few of our bowlers went out to roll a few games on what we call a dinkey alley, 36 inches wide, just to see the difference in the bowling on our 43-inch regulation alley. They rolled three games and John Kunz made 289 in one game and Kuehn had an average of 258 in the three games. They have been throwing bouquets at themselves ever since.

The Bowling Club rolled its usual five games Monday night. The following scores were made:

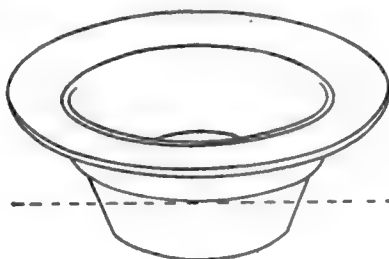
	1	2	3	4	5	Total	Av.
J. J. Beneke....	155	170	126	122	137	710	142
C. A. Kuehn....	123	134	107	148	138	700	140
J. W. Kunz....	132	142	141	155	103	673	135
Emil Schray ...	163	135	123	110	121	652	131
C. C. Sanders..	142	104	154	122	...	522	130½
John Young ...	...	114	127	140	96	477	119
F. J. Fillmore..	112	125	95	81	137	550	110
S. S. Skidelsky. ...	...	102	85	101	286	95	

J. J. B.

A NEW IDEA IN POTS.

We present herewith engravings of a new idea in the use of pottery in growing plants, that originated with Mr. Harry Balsley, of the Detroit Flower pot manufactory, Detroit, Mich. The small one Mr. Balsley calls a violet protector, and the idea is to plant the violets in this bottomless pot, inserting same in the soil to the point indicated by the dotted line, which will carry the violet plant about two inches above the level of the soil in the beds, thereby insuring against over-watering. And the flare of the pot is to prevent the foliage and flow-

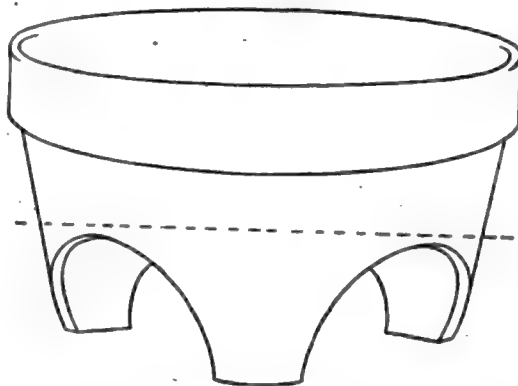
ers from lying over on to the surface soil of the bench. Mr. Balsley believes that this would insure all the advantages of sub-watering without any of its disadvantages, and would avoid



the possibility of plants being attacked by fungous diseases.

The larger one is designed for the use in planting carnations on the bench with a similar purpose in view, the bottomless pot to be inserted into the soil to the depth indicated by the dotted line.

A number of growers who have inspected samples of these devices seem very favorably impressed with them,



and the system seems at least worthy of a trial. Samples were shown at the last meeting of the Chicago Florists' Club, and were very favorably commented upon by those who examined them.

NEW YORK.

Easter Echoes.

Easter echoes, and Easter wreckage, too, are things we still hear and see in and around New York. It is pleasant to note that there has been neither suicide nor failure among the florist fraternity owing to Easter trade. Most of the boys seem to be well pleased and the few who may not be ought to be, for the experience gained. "We'll grow plants instead of cut flowers for next Easter," is often heard from some disappointed rose grower. Well, you might with profit, that is, if you are careful what you grow. The New York buyer knows a good thing at a glance and is not slow to pick it up. Growers need not wait for Easter, good flowering plants will go with a rush at Christmas, and now is the time to think about it. When ordering roses for pot culture don't chew the price down; pay a fair price and get the best you can. Roses in pots will be in demand at Christmas, with a lot more good things.

In most of the store windows tired

looking remnants of Easter plants, such as lilies, azaleas and genistas, are still to be seen, though many of them are destined to soon find positions from which they may peer at the blushing brides. Yes, upon weddings are the eyes and the hopes of the florists centered. It is wonderful how the most isolated grower gets full of the glowing descriptions of most of the fashionable wedding notices of today; he sees that "the home of the bride will be decorated with a hundred thousand American Beauty roses"; and consequently a tremendous rush and scarcity of stock, whereas, alas my friends, the mother of the fashionable bride has given the order to the poor open-mouthed Greek at the corner to send her ten dollars' worth of spring flowers to put around the room. "Why do you put such lies in the paper about the decorations?" I recently asked a society reporter. "Because the editor wouldn't publish our story if we didn't make it sensational," he replied.

The recent Vanderbilt-Fair wedding was not over elaborate in point of floral decorating. Nothing particularly new was introduced, though the "Dewey Rose" was there and pretty it looked. The principal feature of the decorations was an avenue of tall standard Bay trees which had been transformed into standard rose trees by putting a wire screen cap over the heads and sticking therein long stemmed Bridesmaids. The Sloane wedding was remarkable only for one thing: The decorations around the altar fell down as the bride entered the church; this should be a caution to florists hiring inexperienced help.

Usually right after Easter there is a general hurrah of receptions and dinners among society folks which call for more or less flowers; this time, however, there seems to be very little business doing, and the thousands of all kinds of stock keeps a coming more than regularly. Harrisii which were intended for Easter are coming in in great quantities and sell for 3 or 4, Valley 1 to 2, Tulips ½ to 1, Daffodils 1 to 1½, roses, all varieties, 1 to 5, Beauties from 25 for top grade down to jests for the small grade, Carnations ½ to 1, fancy grades 2 to 5, and so on. The Jefferson Birthday Dinner to be given by the Democratic Club, promises to be O. K. from a decorative point of view. Thorley will have charge of the floral part and it is said will use a great many thousand short American Beauties on the tables.

Florists' Club Notes.

The tired looking crowd of boys who attended the Florists' Club's meeting tonight showed plainly that there is an element of energy and enthusiasm missing; nevertheless toward the end of the meeting a few of the old debaters began to dig up theories, but alas those who were not scientists began to dream. The chairman of the bowling section reported that there would

probably be another match played with the Flatbush boys on strange alleys in the near future.

The chairman of the retailers' section reported that his committee had succeeded in getting the officials of the White Star Line, the North German Lloyd Line, and the Red Star Line of Steamships to receipt for baskets and boxes of flowers sent to passengers. This is a very important victory. J. G. Esler moved the consideration of the Detroit convention, and as it appeared to be the general opinion of those present that the convention of 1900 should be held in New York, the whole matter was referred to the executive committee.

Mr. Henry was on the card for a paper on "The Bermuda Lily," and as that gentleman did not appear the experts present went at the poor lily for all they were worth. Mr. Dupuy, who was reported to have had the best lilies in New York this Easter, said his lilies did as good in 5-inch as in 7-inch pots; he was not positive that the lily disease could be detected on the bulbs, but a careful examination of the color and general substance of them would convince him of their quality.

Mr. Atkins thought that much of the disease was merely caused by errors in cultivation. Mr. Siebrecht, after recounting the early history of the Harrisii, gave it as his opinion that the Harrisii disease was brought about by poor cultivation in Bermuda. Mr. O'Mara brought out the fact that the disease was on the decline. It was said by others that the insect causing this terrible disease was similar to the "Eucharis Mite" and references were made to places on "T'other side, ye know." However, all the arguments amounted to this: The Harrisii lily disease was superinduced by first impoverished growing in Bermuda, second the digging and shipping of the bulbs before they were properly matured or seasoned. The disease is on the decline now, because the powerful rivalry of the Japanese bulb growers has opened the eyes of the Bermuda growers, and the American dealers are more inclined to wait till the bulbs are properly seasoned. About the most interesting discussion of all, that relating to American grown Bulbs, was brought out by Mr. Morris. Mr. Burns and others asserted that the finest of all kinds of bulbs could be grown on Long Island. Mr. Manda said the Harrisii was hardy in Jersey; he hoped to see the day when all kinds of Holland stock would be successfully grown in South Jersey, which he said was admirably suited to the cultivation of ericas, azaleas, etc. He also made a plea for the re-introduction among Easter flowers of *Lilium candidum*, which he said was far more beautiful than the other lilies; the best results could be obtained from bulbs collected from the wilds or from long standing ground. After a quasi-geographical survey of the most suitable lands in the United States for the cultivation

of bulbs, Harrisii in particular, Mr. Wallace reported that the government was already engaged in experimenting on the matter in several states, and the Agricultural Dep't he thought would soon no doubt be able to send out its reports.

Bowling.

The alleys this afternoon were rather sparsely attended; many of the crack bowlers had forgotten the games were on for the afternoon. The following were there and this is what they accomplished:

Burns	181	168
Hafner	151	147
Weathered	107	117
Roehrs	206	186
Stewart	100	120
Atkins	121	131
Donlan	127	135

Various Notes.

It is reported that Mr. M. J. Moore, violet grower, of Highland Falls, N. Y., died last week of typhoid pneumonia.

Rumors on top of rumors have just been received about an "Irish Jew" and a "Wily Greek." Both were frauds and the sheriff held auction sales in their stores Easter Saturday. And still the growers won't learn.

C. Fleming, of Bridgeport, Conn., and J. Hackett, Phila., Pa., are visiting and sizing up our city. IVERA.

CINCINNATI.

Club Exhibition.

On last Saturday afternoon and evening was held the regular monthly exhibition of cut flowers at the club rooms of the Florists' Society. The display was not so large as usual, but the stock exhibited was far above the average. There was an unusual attendance, owing to the fact that it was advertised that the Lawson carnation would be on exhibition. The blooms arrived in excellent condition, which proves that it is a splendid keeper. R. Witterstaetter had his new pink, known as No. 557 A, which was declared by all to surpass the Lawson in every respect. The flower is of a beautiful shade, somewhat lighter in color and stands erect in a graceful manner. In size it equals any carnation ever shown in this city and is also perfect in form. Dick also had another seedling, known as No. 518 B, a beautiful large flower of a deep pink color, which would be hailed with delight by all carnation growers but for the fact that it is a spring bloomer. His display of standard varieties was magnificent and greatly admired by all. The Hoffmeister Floral Co. had a beautiful vase of their new rose, Maid of Honor, on exhibition. Barr & Jones made their initial exhibit by displaying a large vase of fancy carnations. George & Allen had their usual display of roses, carnations and bulbous stock. Their Beauties were especially fine. In the evening the regular meeting of the Society was held, but no business of importance was transacted.

Notes.

Business has been rather quiet since Easter and stock is coming in at a lively rate, especially roses and carnations. Ferns are out of the market and smilax is scarce and eagerly sought for; bulbous stock and lilies are far from being a glut, most of our growers hitting it just right for Easter with this class of stock. Recent callers were: Theo. Bock, Hamilton, O.; Frank Knauf, Columbus, O.; John Boehner, Dayton, O.; John Weltz, Wilmington, O., and Walter Mott (you all know him). B.

FLATBUSH, N. Y.

Bowling.

The return match between teams representing the Flatbush Florists' Bowling Club and the New York Florists' Club's bowling section, took place at Schwalsbach's bowling alleys, Flatbush, on Thursday evening, April 6. There was a good attendance of coaches for each side present and in consequence bantering enthusiasm ran high. To use an alley expression, "All friendship ceased" from the very start of the game. The Flatbushers were out for vengeance for their recent defeat by the New Yorkers, and to the credit of the latter be it said they behaved manfully in a strange country and acted cool under the terrific cannonading by the enemy. It was like the battle of Waterloo in this way. Amid the awful din and crashes of the fray could be heard the "Gott en immel" of the Teuton, "Sacre dieu" of the Gaul, "Ye Spalpeens" of the Celt and the "Gee whizz" of the Puritan. Ah, yes, 'twas a hard fought field and toward the early morn the exultant songs of the victors as they marched across the "Flat-Bushes" were answered by the defiant chorus of the Manhattanites: "Wait till we meet you at Detroit." The following is a summary of the actions, and, considering the fact that many of the combatants were suffering from broken hearts and fingers received at the affair in New York, it must be admitted they did very well indeed:

NEW YORK.			
	1st.	2d.	
J. Manda	126	122	
T. Roehrs	130	147	
J. Penman	107	106	
A. Burns	147	134	
P. O'Mara	175	140	
T. Lang	187	159	
F. Traendly	129	94	
E. Leuly	111	147	
	1112	1049	
Total	2161		
FLATBUSH.			
	1st.	2d.	
W. Prosser	185	123	
J. Raynor	118	182	
A. Zeller	156	146	
L. Schmutz	141	119	
P. Riley	131	189	
P. Dailledouze	128	155	
D. Mellis	130	127	
E. Dailledouze	169	135	
	1158	1181	
Total	2339		

After these battles there was a gen-

eral melee between the henchmen present, O'Mara, Mellis and Zeller dividing the booty between themselves.

Raynor ..	144
Prosser ..	126
Mellis ..	170
Burns ..	132
Schmutz ..	105
O'Mara ..	190
Roehrs ..	155
Woecker ..	99
Fairman ..	118
Stewart ..	103
Schwalsbach ..	106
E. Dailedouze ..	147
P. Dailedouze ..	117
H. Dailedouze ..	112
Riley ..	158
Leuly ..	160
Phillips ..	153
Papa Zeller ..	101
A. Zeller ..	166
Butterfield ..	108
Donlan ..	101

IVERA.

GRAND RAPIDS.

Since Easter we have had bright days, warm at noon, cold at night, and to top the climax of erratic weather, we were today treated to a hail storm, which did more or less damage to the various greenhouses about the town.

We now want to meet the hail insurance man. White carnations are scarce and the other colors none too plentiful. Roses in good supply. Funeral work and weddings are keeping surplus stock very close.

Club Meeting.

The Florists' Club held a regular meeting at Eagle Hotel, N. B. Stover presiding. A supplementary report on glass was read. The glass man offered 8x20 D. A. glass at the factory at \$3.28 per box, f. o. b. in car lots, which is about 35 cents per box less than it can be had for from the local dealer.

Steam versus hot water heating was warmly discussed. There is a tendency of opinion that even for large plants hot water under pressure may be the best and cheapest method of heating. A local florist has a steam boiler arranged for hot water, which seems to work well; 1-inch pipes are used, and while they appear small, they afford a complete circulation and are more than satisfactory, although it would be safer to use 1½-inch instead. The resolution changing the regular night of meeting was finally withdrawn, as it was hard to suit all on any one night.

GEO. F. CRABB.

CEDAR FALLS, IA.—Jos. Bancroft is building a new house, 16x75.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

FOR SALE—Five 75-ft. greenhouses, situated in a town of 2,500 inhabitants, suburb of Chicago, one hour's ride to city. Greenhouses well stocked and good water supply; two lots 66x130 ft., barn, house and shed; houses are heated by hot water. We wish to sell because owner is dead. Buyer to take possession at once. Apply Mrs. A. H. Saxon, Downer's Grove, Ill.

WANTED—Rose grower, to take charge of section. Wieter Bros., 51 Wabash Ave., Chicago.

WANTED—At once, a man to take charge of a small place in Indiana; must be a good all 'round grower; good wages. Address H. M., care Florists' Review.

DREER'S SPECIAL OFFER.



Begonia—Duke Zeppelin.

A new hybrid, tuberous-rooted variety, that delights in full sunshine, producing the entire summer rich, dazzling scarlet double flowers; strong bulbs; 20c each, \$2.00 per doz., \$15.00 per 100.

Begonia—New Frilled.

Entirely distinct new tuberous-rooted variety, very large flowers, beautifully frilled on the edges, similar to the newer forms of Petunias; strong bulbs; 25c each, \$2.50 per doz., \$18.00 per 100.

Acalypha Sanderli.

We offer strong, 2½-inch pots of this striking novelty; 40c each, \$3.00 per doz., \$20.00 per 100.

Asparagus Sprengerii.

A fine lot of strong plants from 8-inch pots; \$6.00 per 100, \$50.00 per 1000.

Caladium Argyrætes.

Always scarce; a most desirable little plant to use in connection with cut-flower work; we offer a fine lot of 2-inch pot plants \$1.25 per doz., \$10.00 per 100.

Richardia Elliottiana.

The best of the yellow Callas and the variety which will supersede all others, a limited lot of good bulbs \$1.50 each.

Dracaena Godseffiana. A nice lot of 2-inch pot plants of this striking new variety; 35c each, \$3.50 per doz., \$25.00 per 100.

Pteris Serrulata Voluta. Entirely distinct from all other Ferns, a pretty variety to grow on into specimens, 2-inch pots; 75c per doz., \$6.00 per 100.

For a full list of Novelties, Specialties and all Seasonable Stock, see our current quarterly wholesale list.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

Mention The Review when you write.

1899 CONTRACTS 1899

Now I am open to quote prices on all Bulbs, Plants and Roots for next season. Send in your list of wants for quotations.

F. W. O. SCHMITZ, JERSEY CITY, N. J.

Mention The Review when you write.

SITUATION WANTED—By practical florist, German, 15 years experience in this country and Germany; good habits; private place preferred. Address John C. L. Krages, 551 Hinman Ave., Evanston, Ill.

SITUATION WANTED—By active and thoroughly reliable young man, 22, with up-to-date florist; one year's experience in greenhouse; anxious for wider experience; small wages at first no obstacle. Address W. Watt, Franklin Furnace, N. J.

FOR RENT OR SALE—First class retail stand, 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

SITUATION WANTED—A first class florist and decorator, at present employed by one of the most progressive and up to date florists in the country, wishes to make a change. Full particulars may be had by addressing G. W., care of Florists' Review.

SITUATION WANTED—A young man, 21 years of age and single, desires employment in or near Philadelphia, in greenhouses or cut flower store; 7 years' experience as assistant in greenhouse and cut flower store. A full statement given in what he is most experienced and what he is capable of doing, very best of reference. Address H. C. H., care of Florists' Review.

SITUATION WANTED! On graperies, orchids, roses, carnations, violets, vegetable forcing. 9 years experience; references furnished; middle states preferred. DENDROBIUM, care Florists' Review.

Chrysanthemums

Our collection of Novelties for '99 is very complete, including

INDEPENDENCE, the earliest white, **MRS. FRED L. BUTTON**, the early white from California, and **YELLOW IVORY**, as well as all others.

Also a full line of **STANDARD VARIETIES**. For description see our catalogue, free on application.

NATHAN SMITH & SON,

ADRIAN, MICH.

Mention The Review when you write.

BUSINESS OPPORTUNITY.

A rare opportunity is open to a hustling business man with some capital to get into a well established and profitable business. A chance of a life-time. Those meaning business may obtain particulars by addressing

ROX, care of Florists' Review.

Mention The Florists' Review when writing advertisers.

INDIANAPOLIS, IND.

Easter was a regular April fool here, instead of a nice balmy spring day we had snow and very cold weather. But nevertheless the Easter trade here, in general, was good, cut flowers sold well at fair prices. Plants from \$1 to \$3 sold well, larger ones did not sell so well. There was a large supply of bulbous stock and it sold cheap, would have brought a better price if the weather had been warmer. Although there are a few sore heads, that happened to miss it on certain things, the majority are very well satisfied with their Easter trade.

Society Meeting.

The State Florists' Association held their regular monthly meeting at the new store of Huntington & Page, on Tuesday, April 4, with good attendance. It was decided at this meeting to give a spring show, free to the public, on May 2, at the Horticultural rooms in the State House. The president appointed the following committee, to make necessary arrangements: H. W. Rieman, R. A. McKeand, F. R. Hukriede, W. J. Hasselman and J. Hartje. A paper on plants and bedding was read by R. A. McKeand, which proved very satisfactory and in the discussion that followed, our worthy president, Mr. E. G. Hill, gave us some valuable pointers. As the committee on premiums made no schedule for this meeting the display was not large, Messrs. Hukriede & Son being the only exhibitors. They had some fine plants of *Spiraea japonica* and *astilboides* and some good pans of tulips and daffodils. Honorable mention for same.

Notes.

We regret very much to hear that the daughter of Mr. Stuart of Anderson, is quite ill. We all hope for a speedy recovery. F. Conway, florist for the Indianapolis Water Co., is going in business for himself on the South Side. James Hansen, of Garfield Park, has taken his place at the Water Co.'s and F. Rieman of Fairview Park, taking Mr. Hansen's place.

FRED.

SOCIETY OF AMERICAN FLORISTS.

Department of Plant Registration.

Ernst G. Asmus registers new H. T. Rose Liberty. Parentage, an unknown seedling of Mrs. W. S. Grant, crossed with itself, which was fertilized with Victor Hugo. Flower ruby red, medium size, fragrant, borne on strong, stiff stems, mostly singly, and needing no tying. Plant erect growing, making a compact bunch, and a continuous bloomer. Foliage medium size with five roundish leaflets, very shapely and evenly serrate on the margins. Spines moderately numerous, straight and irregularly scattered on the stems.

WM. J. STEWART, Secretary.

ROSES, CANNAS, MUMS, ETC.

Strong 2 year Field Grown H. P. Roses in large assortment, \$10.00 per 100.

Strong 2 year Field Grown Moss Roses, large assortment, \$9.00 per 100.

Strong 2 year Field Grown Climbing Roses in assortment, \$5.00 per 100.

Strong 2 year Field Grown Crimson Ramblers \$15.00 per 100.

Strong Field Grown Wichuriana (Merimorial Rose), \$4.00 per 100.

300,000 2½ inch pot plants, Tea and Everblooming, in large assortment, \$2.50 per 100, \$20.00 per 1000. Hybrid Perpetual, 2½ inch pots, \$4.00 per 100, \$35.00 per 1000. Climbing, 2½ inch pots, \$3.50 per 100, \$30.00 per 1000. Clotilde Souper (Strong), \$3.00 per 100, \$25.00 per 1000. Mosella (Yellow Souper), \$3.00 per 100, \$25.00 per 1000.

NEW GERANIUMS Bruant's recent introductions. 10 Splendid New Doubles, the set for \$2.25. 3 Splendid New Singles, the set for 50 cents. 5 Splendid New Bruants, the set for 80 cents. 3 Splendid New Aureole Section, the set for 50 cents. Geraniums, Standard Varieties, \$3.00 per 100, \$20.00 per 1000.

CANNAS All the Best New and Standard Varieties. President Cleveland, best bright scarlet for massing, \$6.00 per 100. Duke of Marlborough, President McKinley, Tarrytown and Robert Christie, \$10.00 per 100. Chicago, Souv. de Antoine Crozy and President Carnot, \$4.00 per 100. Mrs. Fairman Rogers, Queen Charlotte, Mad. Crozy, F. Vaughan and A. Bouvier, \$3.00 per 100, \$25.00 per 1000. Cannas, our selection, all good standard varieties, \$2.00 per 100, \$15.00 per 1000.

EULALIAS strong clumps, Japonica Zebrina, Japonica Variegata and Gracilis Univitata, \$5.00 per 100.

CHRYSANTHEMUMS Choice collection of best market varieties, including best of last season's introductions, \$3.00 per 100, \$25.00 per 1000.

DAHLIAS, whole roots, field grown, \$7.00 per 100, \$60.00 per 1000.

AMPELOPSIS VEITCHII, strong two year field grown, \$8.00 per 100.

CLEMATIS, three years, Jackmanii, Henryi and other large flowered varieties, \$25.00 per 100.

For full assortment of greenhouse stock write for Florists' Wholesale Price List No. 5.

If in want of Ornamental or Fruit Trees, Shrubs, Vines, Small Fruits, etc., see our Nurseryman's Trade List, or write us for prices.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention The Review when you write.

Cypress
Greenhouse Material.

We are the pioneers in Clear Cypress Greenhouse Material. We discovered that Cypress is better than any other wood for greenhouses from top of posts up and we introduced it, and fought for it against many prejudices, and finally succeeded in bringing it into general use.

Others have attempted to follow where we lead, others are trying to reap what we sowed, but we have the experience and are recognized as experts in greenhouse construction.

Write for Circulars
or Estimates.

Lockland Lumber Co.

LOCKLAND, OHIO.

Mention the Review when you write.

Burpee's Seeds Grow

Platycerium Grande. Mounted on 6-inch cork, by mail, 50 cents each.

See Florists' Review, March 16th.
FRED BOERNER, Cape May City, N. J.

Mention the Review when you write.

EVERY FLORIST
OUGHT TO INSURE
HIS GLASS AGAINST

HAIL

FOR PARTICULARS ADDRESS
JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.
Mention The Review when you write.

Send for
Finest Catalogue
Ever Issued...

TO THE
TRADE ONLY.

M. RICE & CO.

Metallic
Designs for
**DECORATION
DAY.....**

A large stock from
25c. to \$5.00 per piece.

There are Others, but NONE Better....

prepared to supply your wants in all the Latest
Novelties in Florists' Supplies.

BASKETS



From \$1.00 per dozen and upward at
easy stages.

POT COVERS

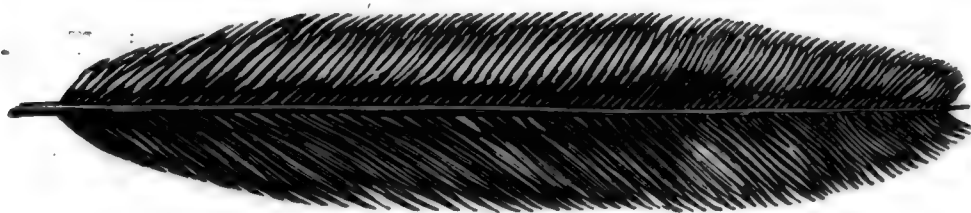


From 40c per dozen up to \$28.50.
All prices in between.

PEDESTALS OR PLANT STANDS



Beginning at \$4.80 per dozen and
climbing up to \$23.00, and convenient
prices between.



The Dull CYCAS Leaves

The most natural leaf in the market. Price from
\$1.25 to \$6.00 per dozen. Send for sample and
price for large quantities.

For WHEAT SHEAVES

We are the People. From 50c up to
\$18.00

IRON PLANT STANDS.

Once used you will never do without them. Send for
special price list. Let us know your wants and we shall
be pleased to supply same.

M. RICE & CO.

25 North Fourth St.

PHILADELPHIA, PA.



E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention the Review when you write.

WASHINGTON.

All the florists are exceedingly well pleased with their Easter trade, which was undoubtedly the largest in the history of the trade in this city. Flowers of every description were plentiful and of excellent quality. Prices were about as follows: Lilies, both Harrisii and callas, 15; Bride, Meteor and Maid roses, 15; Gates, 12½ to 15; La France, 12 to 15; carnations, 4 to 6; valley, 3 to 4; tulips, 2 to 3, double, 4 to 6; narcissus and jonquils, 3 to 4; Romans, 2 to 3; violets, 50 cents to \$1.

Sprea, azaleas and lilies, as pot plants, sold like hot cakes, and brought all the way from 50 cents to \$5 each. The American Rose Co. hit it just right with their lilies, and disposed of their entire lot at retail. The window displays at the different stores were far finer than usual.

There was a tremendous display of bloom at the Center Market. Some of the dealers sold as much as 30,000 violets at retail at stands measuring 3 by 9 ft., and the prices they realized cleared them 75 cents per 100. The present outlook for good business for the remainder of the season is excellent.

F. H. KRAMER.

NEW ROSE IVORY.

We have received from the American Rose Co., Washington, D. C., blooms of their new rose Ivory, a white sport from Golden Gate, which they will introduce next season. It is much like Golden Gate except as to color, which is an Ivory white. The flowers are of good size and substance, reaching us in very fair condition after their trip by mail, and as the sport will probably inherit the free blooming qualities of Golden Gate it should prove very useful.


WHOLESALE FLORIST,11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.

Mention The Review when you write.

REINBERG BROS.800,000
FEET
OF
GLASS.No
charge
for
packing.Wholesale
Growers of**Cut Flowers**

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.

51 Wabash Ave., CHICAGO

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Wholesale Price List.

AMERICAN BEAUTY			
Extra long stem	per doz.	\$3.00 to	\$4.00
24-inch stem	2.50	
20	.....	2.00	
15	.....	1.50	
12	.....	1.25	
8	.....	1.00	
METEOR	per 100,	4.00 to	5.00
BRIDESMAID	per 100,	4.00 to	5.00
BRIDE	.....	4.00 to	5.00
PEARL	.....	4.00 to	5.00
CARNATIONS	.....	1.50	
	fancy	2.50 to	3.00
Valley	.....	3.00 to	4.00

Quotations subject to change without notice.
All other stock at lowest market prices.**Bassett & Washburn**

88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of
and Dealers in **CUT FLOWERS**

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.


Our prices are as low as any
and our stock superior.
We ask for a trial order.

Mention The Review when you write.

A. L. RANDALLTelephone
1496**R**

Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better prepared than ever to handle your orders.
Mention The Review when you write.WHOLESALE
GROWER OF ROSES. DEALER IN
CUT FLOWERS.**J. A. BUDLONG,**

37-39 Randolph St., CHICAGO, ILL.

Mention The Review when you write.

**Cincinnati
Cut Flower Co.**416 Walnut St.
CINCINNATI, O. Wholesale FloristsConsignments Solicited.
Special Attention Given to Shipping Orders.
Mention The Review when you write.W. A. MANN.
FRANK W. BALL.**C. A. KUEHN** WHOLESALE
FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.
Mention Florists' Review when you write.

H. G. BERNING,(Successor to
St. Louis Cut Flower Co.)WHOLESALE
FLORIST,1322 Pine Street,
ST. LOUIS, MO.

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ELLISON & TESSON,

WHOLESALE SHIPPING

FLORISTS3134 Olive Street, ST. LOUIS, MO.
...Home Grown Stock...

Mention The Review when you write.

**Maplewood Cut Flower and
Plant Co.** GEO. M. KELLOGG, Pres.

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.

Mention The Review when you write.

ORCHIDS

To arrive beginning of April --

Laelia Anceps, L. Anceps Alba,
and L. Autumnalis.

Lager & Hurrell, Growers and Importers.... Summit, N. J.

Mention The Review when you write.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES,

42 and 44 Randolph St., Chicago, Ill.

Long Distance Telephone Central 466.

CARNATION

White Daybreak.

This is the fine white sport of Daybreak that originated with Mr. P. M. Broadbeck. We have sold the flowers for several years and know it to be a good thing, and a money-making sort for the grower. Mr. Broadbeck is now prepared to disseminate it. Orders may be sent to us or direct to Mr. P. M. Broadbeck, Cullom and Clark Sts., Ravenswood, Chicago.

**Rooted Cuttings,
\$12.00 per 100.**

WHOLESALE PRICE LIST.

SUBJECT TO CHANGE WITHOUT NOTICE.

We always ship Extra Select or High Grade Goods unless otherwise ordered.

P. and D. at cost.	Price per 100	P. and D. at cost.	Price per 100
American Beauties, medium	\$15.00	Harrisii	\$8.00 to \$8.00
" " fancy, fair length	20.00	Callas	6.00 to 8.00
" " fancy, long stem	30.00	Violets, fine	.60 to .75
Meteors, extra select	\$5.00 to 7.00	Valley	4.00
Brides, Maids, extra select	5.00 to 7.00	Romans	4.00
Brides, Meteors, Maids, good average	4.00 to 5.00	Smilax	20.00
Perles, extra select	3.00 to 5.00	Adiantum	1.00
Roses, our selection	8.00	Asparagus, per string	.50 to .85
Carnations, extra select	2.00 to 8.00	Galax	1.50 per 1000 .20
" good average stock	1.50	Common Ferns	40c
" White	1.50 to 8.00		
" our selection	1.00		

Above prices are subject to change without notice. All flowers in season at lowest market rates. **FLORISTS' SUPPLIES and WIRE WORK** a specialty. On Wire Goods we can discount our own or any other list. Write for particulars. Our store open week days until 6:30 P. M.; Sundays and Holidays until noon only.

Mention the Review when you write.

The Imperial Violet.

Number of plants in full bearing, 2,970
No. of No. 1 Violets picked in October... 30,500
" " " " November... 36,500
" " " " December... 39,000
" " " " January... 23,595
" " " " February... 33,500

Average per plant of No. 1 blooms, almost 57

Isn't this a pretty good record? And for these I received from \$2.50 to \$1.00 per 100. Can you equal this? And the plants are still throwing as many flowers, if not more than ever.

I cannot begin to supply the demand for this superb violet; the way things look now, I shall not be able to supply the demand for rooted cuttings. If you get left, you will only blame yourself. My new book on Violet Culture goes with every order for cuttings.

The violet is the largest, most double, longest stemmed, color so dark as to look almost artificial; healthy; and as the record shows, a very free bloomer. The parent plant of this magnificent variety gave me 118 of the finest flowers you ever saw.

Price per 1,000... \$90.00 Per 100... \$10.00
per 500... \$45.00 Per dozen... 1.50

Rooted Cuttings will be delivered as the weather will permit. Now ready, about 5,000. Address

W. L. MINOR, 588 Belmont St., BROCKTON, MASS.

Mention the Review when you write.

CLEMATIS.

Large flowering, either dormant or growing in pots, strong, healthy, home-grown plants, 10 leading sorts, \$2.50 per dozen, \$20.00 per 100.
Downing Gooseberry, 25,000 1 and 2 yr., very low.
H. P. Roses, leading kinds... \$1.50 doz., \$10 per 100
Monthly Roses, 4-in., fine } 1.00 " 8 "
plants }
Paeonies, best market sorts... 1.25 " 8 "
Smilax, strong, fine plants, 3-inch... 2 "

F. A. BALLER, Bloomington, Ill.

Special Offer.

200 Irish Juniper, 3 to 4 ft. 9 cents each
400 " 2 1/2 to 3 ft. 7 "
400 " 2 to 3 ft. 5 "
Stock strictly first-class, carefully dug and handled

C. L. LONGSDORF, Floradale, Pa.

Ornamental Shrubs.

HERBACEOUS PERENNIALS.

A specialty of Iris, Phlox, Paeonies, Pyrethrums, Poppies, etc. Wholesale List on application.

JACOB W. MANNING,

The Leading ESTABLISHED 1854.
New England Nurseryman. READING, MASS.

Mention The Review when you write.

Asparagus Plumosus Nanus.

Per 100.
1000 Asparagus Plumosus Nanus, 4-in. pots, \$15.00
1000 " " " 5 " 18.00
200 " " " 7 " 25.00
300 " " " 8 " 35.00

Asparagus Seed, home grown, \$1 per 100, \$9 per 1000
Write for prices on Carnation Cuttings.

W. F. Kastling, 495 Washington St. Buffalo, N.Y.

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FIRST QUALITY... Dagger Ferns.

\$1.50 per 1000; Fancy, \$2.00 per 1000.
Galax Leaves, bronze or assorted, \$1.00 per 1000. Laurel Festooning, \$5.00 per 100 yards.
Fine bunched Laurel, 50 cents per bunch.
All orders by wire or mail promptly filled.

CROWL FERN CO., 27 Beacon St., BOSTON, MASS.

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GOLD FISH and AQUARIUM SUPPLIES.

KEENAN'S SEED STORE. 6112 and 6114 Wentworth Avenue, CHICAGO
Send for Price List.
Mention The Review when you write.

THE HARRISII DISEASE can be prevented by immersing the bulbs for 5 hours in a half solution of

Kraft's Plant Tonic

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills Hard Shelled Scale, Mealy Bug, and other insect pests without injury to the plant. Send for circular.

KRAFT PLANT TONIC CO. Rockford, Ill.

Mention the Review when you write.

ANTON SCHULTHEIS, P. O. Box 78... College Point, Queens Borough, N. Y.

HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity

Come, see Ericas (Heather), also Full Line of Other Flowering Plants and convince yourself Price List on Application.

Mention The Review when you write.

PITTSBURG.

Notwithstanding the inclemency of the weather it was the best Easter we ever had. The increase over last year's business has been variously reported as from 5 to 20 per cent. Saturday's business was not up to expectations and some stock was unsold. This was due to the extreme unpleasantness of the weather. Prices were high but the quality of the stock was also superior. Many retailers maintain that more money was made on higher priced stock than on the cheaper. There was a strong demand for roses, carnations, Harrisii lilies and violets, while bulbous stock, such as tulips, cut hyacinths, daffs, etc., sold rather slow, a great deal being left unsold. The demand for plants was exceptionally good and fair prices were obtained. The dealers in the markets who were not provided with inside stands suffered severely from the cold. Consignments of stocks are now quite heavy and in consequence prices are falling. There has been a large amount of funeral work recently.

The firm name of Gustav Ludwig, of Allegheny, has been changed to Gustav & J. W. Ludwig. The new firm has the best wishes of all the craft. The meeting of the Botanical Society of Western Penna. was held last week. H. H. Negley, the Pres., has just returned from a southern trip in which he spent much time in botanical observations. The result of these observations was told in a very interesting manner. The reception of the Florists' Club of which mention was made before, was held Thursday evening, April 6th. The reception was a success beyond anticipation. There were about 100 invited guests in attendance. It was an informal affair, with cards, dancing and speeches. The rooms were prettily decorated. Mr. E. C. Ludwig had charge of the decoration, the plants were furnished by John Bader, the flowers by Fred Burki. The thanks of the club are due these gentlemen. One part of the decorations which evoked the admiration of all present was a medallion, the head of Admiral Dewey, encircled by a wreath of leucothoe, the work of J. W. Ludwig. The medallion was four feet in diameter, made of immortelles. The beauty of the work lay in the sharpness of feature, outline and successful coloring. The naturalness of the flesh tints was exquisite. Mr. Ludwig received many congratulations.

T. P. L.

WE HAVE RECEIVED from Mr. W. R. Adams, superintendent of parks, Omaha, Neb., a flower stem and fruit of *Cycas revoluta*. The fruit is bright red in color, egg shaped and about an inch and a half long and an inch and a quarter in diameter.

LAFAYETTE, IND.—H. Roth, of Huntington, is building here three short-span-to-south houses, each 19x 80.



REGULAR SHIPPING ORDERS RECEIVE
SPECIAL ATTENTION.

WHOLESALE GROWERS OF Cut Flowers

51 Wabash Avenue, Chicago.

We Are Headquarters for...

AMERICAN BEAUTIES,
of which we cut from 2,000 to 3,000 daily. Our Brides,
Meteors, Maids and Perles were never better.

OF CARNATIONS
we grow 50,000 plants of all the leading varieties, and
they cannot be surpassed.

Mention The Review when you write.

DAHLIAS

By
the
Tens
of
Thou-
sands.



My prize winners carried off the highest National honors yet awarded the Dahlia—a diploma and gold medal at the Omaha Exposition. Get my catalogue before ordering elsewhere.
Box 382. W. W. WILMORE, Denver, Col.
Mention The Review when you write.

Hardy Perennials.

	Per 100
Clematis Davidiana, strong, 1 year	\$6.00
Eulalia Gracillima Univittata and Jap.-	
Variegata	4.00
Funkia Alba	4.00
Hemerocallis flava	4.00
Hollyhocks, double, separate colors, per	
1000, \$10.00	5.00
Helianthus Multiflorus Plenus and Soliel d'Or	4.00
Hibiscus, Crimson Eye	5.00
Iris Germanica	2.50
Perennial Phlox, fine collection	5.00
Pinks, strong clumps	5.00
Paeonies	8.00
Rudbeckia Golden Glow, per 1000, \$30.00	4.00
Spirea Polmata Elegans	4.00
Yucca Filamentosa, 2 years	8.00

All of the above are strong, field-grown stock.

VICK & HILL CO., ROCHESTER, N. Y.

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PLANTS.

Geraniums, 30 standard varieties, fine plants out of 3½-in. pots, \$5.00 per 100. Begonias, 12 fine varieties from 3½ and 4½-in. pots, \$5.00 per 100.

ROOTED CUTTINGS.

Geraniums, 25 fine varieties, \$1.00 per 100. Alternanthera, red and yellow, 90c. per 100. Cigar Plant, 60c. per 100. Artillery Plant, 60c. per 100; \$1.50 per 1000. Wandering Jew, 3 varieties, 60c. per 100; \$5.00 per 1000. If you don't think our goods are all right send 50c. for sample of what you want. Terms Cash or C. O. D.

W. L. THOMAS & SON, Box 82, Augusta, Ky.
Mention The Review when you write.

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WHOLESALE PRICE LIST.

	Per doz.
Am. Beauty, extra long stem	\$3.00 to \$4.00
24-in. stem	2.50
20-in. "	2.00
15-in. "	1.50
12-in. "	1.25
8-in. "	1.00
Meteor	per 100, 4.00 to 5.00
Bridesmaid	" 4.00 to 5.00
Bride	" 4.00 to 5.00
Perle	" 3.00 to 5.00
Carnations	" 1.50
fancy	" 2.50 to 3.00
Roman Hyacinths	" 3.00
Valley	" 3.00 to 4.00

All other stock at lowest market prices.
No charge for packing.

Some Things You Want....

AGERATUM, blue and white dwarf,	Per 100
covered with Cuttings, 500, \$5.00	1.50
HARDY PHLOX, 10 distinct varieties, 2-in. pots	2.50
FUCHSIAS, 6 varieties, 2-in. pots	2.00
GIANT PEARL MARGUERITE, 2-in. pots	2.00
RUDBECKIA, 3½-in. pots	4.00
STATIC ARMERIA, 3½-in. pots	3.00
BEGONIAS, 6 varieties, 2-in. pots	2.00
ACHILLEA, the Pearl, 2-in. pots	2.00

Enough extras added to more than pay expressage. **Cash, please.**

EDWARD B. JACKSON, Stamford, Conn.

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PEACOCK'S New Dahlias

For 1899—Best New Varieties.
For 1899—Best Old Varieties.

Send for our New Illustrated Trade List before ordering elsewhere.

Peacock's Dahlias always received highest awards over all competitors. Forty-six first prizes out of forty-nine entries during past four years—an unequalled record.

Best New and Standard Carnations—

Beautifully illustrated and accurately described in our Trade List. Send for copy.

Surplus Stock of Mixed Dahlias—

At right price. Also Dahlias under color. Correspondence Solicited.

W. P. PEACOCK, - Atco, N. J.

Mention The Review when you write.

SMILAX. NICE THRIFTY PLANTS from thumb pots.

If shifted now will make fine stock for Summer planting. \$1.50 per hundred.

NATHAN SMITH & SON,
ADRIAN, MICH.

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E. G. HILL & CO., RICHMOND, IND.

EARLY CHRYSANTHEMUMS
in fine stock and large quantity.

Lady Fitzwygram, finest early white,
\$3.00 per 100.
Mme. Bergman, Glory Pacific,
Geo. S. Kalb, all at \$2.50 per 100.
Mlle. Lucie Faure, grand new White of
"Bonnaillon" type,
\$12.00 per 100.
Polly Rose, White Glory of the Pacific,
\$20.00 per 100.

CARNATIONS.

Grand America, for April delivery, per-
Cuttings of fect stock, \$10 per 100.
Flora Hill, Jubilee, Daybreak, Victor,
at \$1.50 per 100.

Finest Strain of....CYCLAMEN

in America, in separate colors, 2-in. pots, clean
and unchecked, ready in April, \$1 per 100.

New Roses, Admiral Dewey, \$30 per 100; Maid of Honor, \$15 per 100.

Bride, Bridesmaid, White Bougero,
Muriel Graham, C. Souper,
Marie Guillot, Pink Souper,
White La France, Mosella,
Fine stock, in large quantity, \$2.50 per 100.

12 finest New Geraniums of the year
for \$3.00.

3 New Bruants for 75 cents.

Extra well grown stock of Asparagus

Plumosus, \$5 per 100; Sprengerii, \$5 per 100

E. G. HILL & CO.

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Palms and Ferns

The Largest Stock of
Plants in the West.

Send us your name
and we will keep you
posted when we have anything special to offer.

GEO. WITTBOLD, 1708
N. Halsted St. CHICAGO.

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H.W. BUCKBEE Seed Specialist,

Rockford Seed Farms.
Forest City Greenhouses.

Lock Box 911. ROCKFORD, ILL.

Special Prices Upon Application.

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The Cottage Gardens,

C. W. WARD, QUEENS, L. I.
Manager.

WHOLESALE GROWERS FLORISTS' SPECIALTIES.

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McKELLAR & WINTERSON,

Wholesale Florists,

45-47-49 Wabash Avenue.

CHICAGO.

OUR SPECIALTIES:

We have the
LARGEST WHOLESALE
House in Chicago.

Orchids, High-Grade Roses,
Carnations and Violets.

Full Line FLORISTS' SUPPLIES, Seeds, Bulbs, Hardy Stock.

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BENTHEY & CO.

F. F. BENTHEY,
Manager.

Wholesale and Commission Florists,

41 Randolph Street,

...CHICAGO.

Consignments
Solicited

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Wholesale Price List.

	Per 100
Beauties, long.....	\$20.00 to \$30.00
medium...	10.00 to 18.00
Maids, Brides, Me- teors.....	3.00 to 5.00
Perles.....	2.00 to 4.00
Carnations, long....	1.00
fancy ..	1.50
fancy sorts	2.00 to 4.00
Harrisii.....	5.00 to 6.00
Callas.....	5.00 to 6.00
Violets.....	.50 to .75
Romans.....	2.00 to 3.00
Valley.....	3.00 to 4.00
Daffodils.....	2.00 to 3.00
Tulips.....	2.00 to 4.00
Marguerites.....	.50 to 1.00
Smilax.....	20.00 to 25.00
Adiantum.....	1.00
Asparagus.....	50.00 to 75.00
Common Ferns.....	.25

FELTHOUSEN Wants Room.

Read this and let us hear from you.

Remember, our Geraniums are grown in flats
and in soil. Our selection \$1.50 per 100, \$12.00 per
1,000. Rose Geraniums, \$2.00 per 100. Ageratum,
blue and white, 60 cents per 100, \$5.00 per 1,000.
Fuchsias, standard sorts, \$1.50 per 100, \$12.00 per
1,000. Fever Few, Little Gem, from flats and in
soil, \$1.25 per 100, \$10.00 per 1,000. Salvia Splen-
dens and Bedman, \$1.00 per 100. Heliotrope, six
varieties, \$1.00 per 100, \$9.00 per 1,000. Vinca
Variegata, cuttings, \$1.25 per 100, 4-in. stock, fine,
\$8.00 per 100, \$30.00 per 1,000. Coleus, all the best
varieties. C. Verschaffeltii and Queen, 75 cents
per 100, \$6.00 per 1,000. Coleus, in variety, 60 cts.
per 100, \$5.00 per 1,000. The above are Rooted
Cuttings, except when noted.

Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y.

Mention The Review when you write.

Hardy Plants.

	Per 100.	1000.
Helianthus giganteus.....	\$3.00	\$20.00
Clumps..	6.00	50.00
Helenium aut. superbum.....	3.00	20.00
Clumps..	6.00	50.00
Boltonia Latisquamae.....	8.00	20.00
Clumps..	6.00	50.00
Veronica l. subsessilis Ex. }	6.00	50.00
Clumps.....		

250 at 1000 rate. Send for list.

REA BROTHERS, - Norwood, Mass.

Mention The Review when you write.

Brilliant Green and Bronze

Galax Leaves

CHAS. H. RICKSECKER, Linville, Mitchell Co. N. C.

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writing advertisers.

BABY PRIMROSE.



The newest thing for
Easter Blooming.

Flowers in thumb pots;
grows rapidly, 6-in. pot,
carry 50 to 100 sprays of
rosy flowers, 12 to 18 in.
long; lasts 4 weeks when
cut and wholesale at \$2
per 100; grows finely in
cool house; perpetual
bloomer. 12 for \$1.50,
\$10 per 100, express
prepaid.

New Fragrant \$1000
CALLA.

Very dwarf and free
bloomer, has the fra-
grance of violets and
lilies, \$1 and \$2 per 12,
\$6 and \$12 per 100,
mailed.

Asparagus Sprengerii.

2-in., 24 for \$1.50, mail-
ed; \$4 per 100, express. 3½-in., 24 for \$2.50, mailed;
\$7 per 100, express.

A. BLANC & CO., Philadelphia.

Mention The Review when you write.

ROSES 50,000 Dormant. OWN ROOTS, FIELD GROWN.

IN COLD STORAGE, CHICAGO.

Leading varieties Hybrid Perpetuals, No. 1,
cut back to 24 to 30 inches, 3 or more branches
\$75.00 per 1000. Hardy Climbers and Mme. Plan-
tier, \$35.00 per 1000. Marechal Neil, \$75.00 per 1000.
Yellow Rambler, \$50.00 per 1000. Some varieties,
one size smaller, at special prices.

List of varieties upon application. Address—

W. F. HEIKES, MANAGER,

1308-1310 Unity Building, CHICAGO, ILL.

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SAMUEL S. PENNOCK, Wholesale Florist

OPEN DAY AND NIGHT—From 12 A. M. Mondays to 10 P. M., Saturdays.

A constant supply of SELECT VALLEY the year round. 1612-14-16-18 Ludlow St., Philadelphia, Pa.
AMERICAN BEAUTIES OUR SPECIALTY.

Mention the Review when you write.

PITTSBURG CUT FLOWER CO., Ltd. WHOLESALE FLORISTS.

Long Distance
Phone 2157.

CONSIGNMENTS SOLICITED.

No. 705 Penn Avenue,
PITTSBURG, PA.

FLORISTS' SUPPLIES.

Write for Price List.

Mention The Review when you write.

PHILADELPHIA.

Trade has been very good the past week, due no doubt to it being the first week after Easter. Weddings and balls were quite numerous, hence there was quite a demand for decoration stock as well as cut stuff, with Beauties selling at from \$2 to \$6 per dozen, Brides and Meteors \$3 to \$8, Romans \$2 to \$3, tulips \$3 to \$4 and valley \$2 to \$4.

The inauguration of Mayor Ashbridge served to keep the florists on the move, using up the surplus stock from Easter in making up the various designs which were presented as gifts at the Council Chamber.

We understand that quite a number of the florists of this city were left with an unusual quantity of lilies which they were unable to dispose of at Easter. They attribute it to the fact of the department stores selling them at 15 and 20 cents per flower, whereas the retailer had to pay 15 cents per flower for his stock and he could not compete with these houses.

The following retail men report an exceptionally good Easter: R. Crawford, Pennock Bros., J. Wolf, Jr., J. J. Habermehl & Sons, Geo. Craig, H. H. Battles, Jos. Kift & Son. Others report it as being equally as good as previous years.

Visitors in town the past week: Geo. Stewart, Tuxedo Park, N. Y.; Chas. Sparks, Wilmington, Del. R.

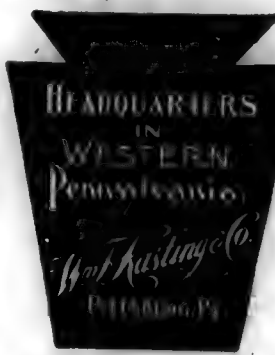
SPRINGFIELD, MASS.

Easter trade was good and probably some little better than last year. Carnations were a little scarce, due to the dark, cloudy weather. H. Grout was fortunate in having in a full crop of his new light pink variety Conch Shell, which has produced with remarkable steadiness and freedom all the season. Tulips were plentiful and of good quality. The supply of roses was equal to the demand and other stuff went off fairly well. Easter lilies were not as plenty as of yore owing to diseased bulbs. G.

GIBSON CITY, ILL.—Swan Peterson is building three new houses, each 16x65.

ROSES.
Carnations
VALLEY
FERNS.
GALAX and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

Consignments of good stock solicited.



We get daily new customers because we have the reputation that all orders are punctually filled.

Long Distance Telephone 2985.

WM. F. KASTING & CO., F. STOKES, Manager.

Wholesale Florists. 444 Sixth Ave.

All kinds of FLORISTS' SUPPLIES and WIRE DESIGNS on hand.

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KELSEY'S SOUTHERN GALAX LEAVES. Brilliant Green and Bronze.

Information of the Introducer.

HARLAN P. KELSEY.

Prop. Highlands Nursery in North Carolina.

1106 Tremont Bldg. - - - BOSTON, MASS.

Mention The Review when you write.

Cut Flower Exchange,

404 - 412 East 34th St., New York,

NEAR THE FERRY.

Open Every Morning at 6 o'clock for the sale of CUT FLOWERS.

Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

Mention The Review when you write.

HOUSE PLANTS IN THE HOUSE.

The PLANT trade from the point of "business," and also the care of Plants, treated in an attractive six-page Folder to be given to customers.

Sample order of 25 copies mailed for 60c in stamps

Dan'l B. Long, Publisher, Buffalo, N. Y.

Mention The Review when you write.

Berberis Thunbergii

Fine two-year-old, bushy plants, transplanted; 18 to 24-in., \$10.00 per 100.

A large assortment of Ornamental Trees, Shrubs and Evergreens. Descriptive catalogue and wholesale price list for all in the trade.

SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

Mention the Review when you write.

GIVE US A TRIAL. WE CAN PLEASE YOU.

Roses, Carnations and all kinds of Seasonable Flowers in stock.



WM. F. KASTING, Wholesale Commission Florist,
495 Washington St., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire Designs.

Mention The Review when you write.

WM. J. BAKER, WHOLESALE CUT FLOWERS,

1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

Mention The Review when you write.

EDWARD REID, Wholesale Florist,

LONG DISTANCE PHONE.

1526 Ranstead St., PHILADELPHIA, PA.

Mention The Review when you write.

Pandanus Veitchii Clean Stock, Pedestal Grown.

6-in. pots, \$1.00 each; \$12.00 a dozen. Also larger sizes. Send list of sizes required and get rates. Also a few white leaved plants at half price, for decorative effects or cutting up.

JOHN WELSH YOUNG, - Germantown, Pa.
Upsal Station, Penn. R. R.

Mention The Review when you write.

Rose Hill Nurseries.

Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

Largest stock in America.

SIEBRECHT & SON,

New Rochelle, N. Y.

Mention The Review when you write.

VINCA MAJOR Propagated last August.

Will make fine plants, with 4 to 5 leads for Decoration Day, if shifted and stopped now. \$3.00 per 100; \$25.00 per 1000. From 3-inch pots, 5.00 per 100.

Nathan Smith & Son, Adrian, Mich.

Always mention the Florists' Review when writing advertisers.

ESTABLISHED 1802

THORBURN'S SEEDS

JUST ARRIVED IN FINE CONDITION

FRESH **Seaforthia** SEEDS of **Elegans**

Price, \$3.00 per 1000.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Mention The Review when you write.

Brides and Maids 2 1-2 in. stock

Prime Stock for Forcing.
Ready for a Shift.

\$2.50 per 100, \$20 per 1000.

J. B. HEISS,

The Exotic Nurseries, DAYTON, OHIO.

Mention The Review when you write.

And Still They Come!

SAVANNA, ILL., March 15, 1899.

SOUTH SIDE FLORAL CO.
Dear Sirs:—The Verbenas received were so exceptionally fine that I am tempted to try some of your other stock. Please send the following:

J. Y. LAMBERT, Savanna, Ill.

SMILAX. Strong Seedlings, ready for thumb pots, 50c per 100, \$4 per 1000, delivered. Now is the time to buy your Smilax and thus save the express charges which you would have to pay later from pots.

VERBENAS—New Mammoth, rooted cuttings, 60c per 100, \$5 per 1000.

PETUNIAS—Dreer's Double Fringed, rooted cuttings, \$1 per 100, delivered.

NEW GOLDEN MARGUERITE—Rooted cuttings, \$1 per 100.

ROSE and CARNATION Cuttings now ready, clean, healthy stock, well rooted, at lowest prices quoted. Send for our lists and save money.

Terms—CASH WITH ORDER.

SOUTH SIDE FLORAL CO., - Springfield, Ill.

Mention The Review when you write.

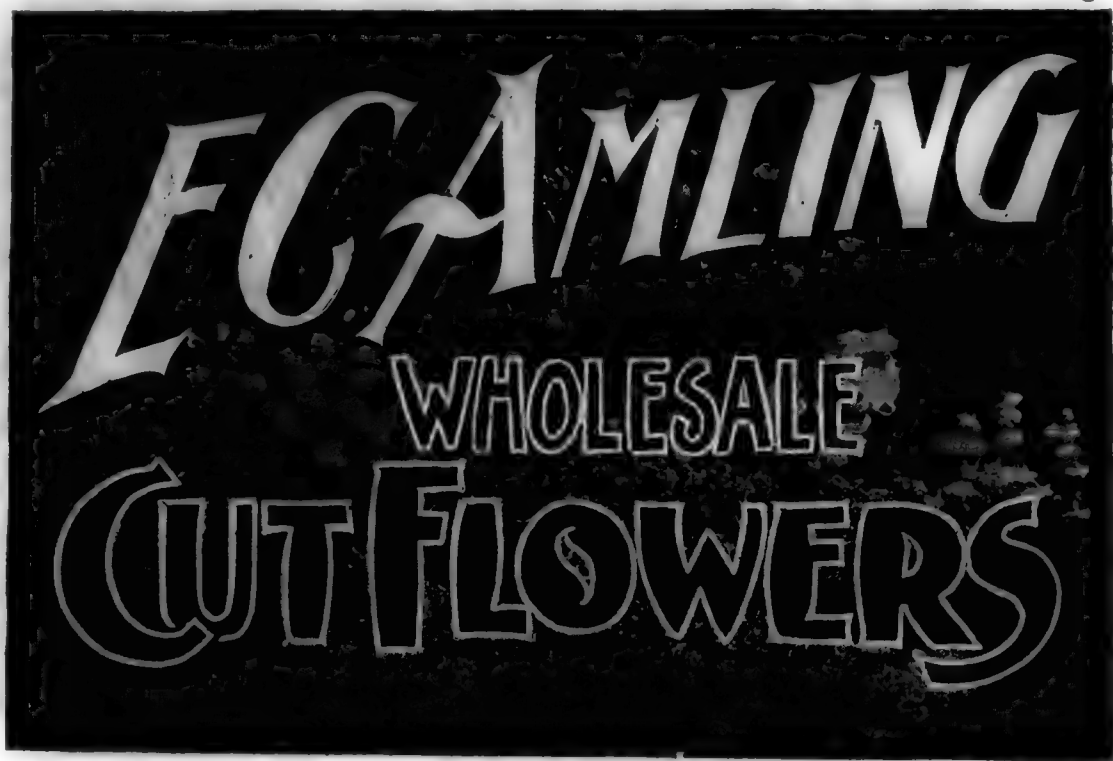
PANSIES. 25,000 PANSIES. Fall Sown, Stocky Plants, of the very best strains, 50c per 100; 60c, prepaid.

Send for our list of Greenhouse and Bedding Plants, fine bushy stock, at \$2.00 and \$2.50 per 100, out of 2 and 2½-in. pots

E. G. BUNYAR,

Walnut Hill Greenhouses, Independence, Mo.

Mention The Review when you write.



W. S. HEFFRON, Mgr. 51 Wabash Avenue,

CHICAGO.

PRICE LIST—Taking Effect April 13.

ROSES.

Am. Beauties, long, per doz.....	\$3.00—	
" medium, per doz.....	1.00—	\$2.00
" short, ".....	.50—	.75
Meteors, Maids, Brides and Kaiserin, per 100,	8.00—	5.00
Perles.....	8.00—	4.00
Roses, seconds, average.....	8.00—	

CARNATIONS

Are Our Specialty.

Fancy varieties, fancily grown.....	\$3.00—	Per 100
Ordinary varieties, fancily grown.....	1.50—	

Miscellaneous.

Marguerites	per 100, \$.50—	
Mignonette	" 2.00—	
Forget-me-not	" 1.00—	
Callas	per doz., 1.00—	
Harrisii, per 100, \$5.00 .....	.75—	
Romans	per 100, 2.00—	
Narcissus Poeticus	" 2.00—	
Daffodils	" 2.00—	
Tulips	" 2.00—	
Valley	" 4.00—	
Violets	" .50—	.75
Pansies	" 1.00—	

Mention the Review when you write.

Decorative.

ASPARAGUS.
Per string.....\$.50— .60

FERNS.
Per 100, 25cper 1,000, \$2.50
Maiden Hair.....per 100, \$1.00—

GALAX.
Bronze and Green, per 100, 15cper 1,000, \$1.00

SMILAX.
Common.....per doz., \$2.00—\$3.00
Wild, crop ruined by frost.

All other flowers in season.

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Store open from 7:00 A. M., until 6:30 P. M. Sundays and Holidays closed at noon.

COLEUS. Verschaffeltii and Golden Bedder, \$5 per 1000; Fancy, 25 var., superb, brightest colored, some grand new, \$3 per 1000.
Alternanthera. P. Major, A. Nana, Amabilis fine, all are nice bushy little plants, \$6 per 1000.
Verbena—Brightest colors, fine plants, 50c per 100. Any quantity by express at quoted rates; by mail, add 20 per cent. Cash, please.

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843 Columbia Ave., LANCASTER, PA.

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Large Flowering Clematis

Strong, one year plants of all the leading varieties, from 3-in. pots, at \$10.00 per 100; also heavy two-year Jackmani and Henryi, at \$18.00 per 100.

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Good, strong, healthy stock of the following well-known varieties:

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The Queen	Wm. H. Lincoln
Mrs. Jerome Jones	Col. W. B. Smith
Etoile de Lyon	Mrs. J. G. Whilldin
Miss Minnie Wanamaker	V. H. Hallock
Golden Wedding	Maud Dean
Niveus	Chillingfordii
Minerva	Geo. W. Childs
Liberty	Bessie Burton
Bonnaillon	Modesto
Mrs. J. J. Glessner	Mrs. Murdock
Belle of Castlewood	J. G. Woodford

from 2½-in. pots, \$2.00 per 100; per 1000, \$15.00
Cannas, good variety named\$2.00 per 100
 " mixed 1.00 "

Nymphaea Odorata Gigantea, strong roots 3.50 "

R. VINCENT, JR., & SON, White Marsh, Md.

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CATALOGUES RECEIVED.

Parlin & Orendorff Co., Canton, Ill., agricultural implements; Crane Bros., Westfield, Mass., Lineoid vases; Lager & Hurrell, Summit, N. J., orchids; Pinehurst Nurseries, Pinehurst, N. C., collected seeds; Williams & Sons Co., Batavia, Ill., plants; same, florists' and nurserymen's supplies; Batavia Nurseries, Batavia, N. Y., nursery stock; E. H. Hunt, Chicago, cut flowers and florists' supplies; Old Colony Nurseries, Plymouth, Mass., general nursery stock; Lake View Rose Gardens, Jamestown, N. Y., cut flowers and palms; J. N. Kidd, St. Joseph, Mo., plants, bulbs, seeds, cut flowers, etc.; Herb & Wulle, Naples, Italy, seeds, and bulbs; Albert M. Herr, Lancaster, Pa., carnations—novelties and standard sorts; Walter A. Potter & Co., Providence, R. I., seeds, plants, bulbs, implements; Horace Rimby, Collegeville, Pa., plants, seeds, bulbs, etc.; A. Tilton & Son, Cleveland, Ohio, seeds; Ellis & Pollworth, Milwaukee, Wis., cut flowers and florists' supplies; Harkett's Flo. Nursery, Dubuque, Ia., seeds, plants and bulbs; McKellar & Winterson, Chicago, pots; John Peed & Son, London, England, Cannas, carnations, dahlias, etc.; Barr & Son, London, England, hardy perennials and alpine; V. Lemoine & Fils, Nancy, France, plants, seeds and bulbs.

POUGHKEEPSIE, N. Y.

At the establishment of the Haggerty Floral Co. are to be seen some houses of roses, the plants in which are from 20 to 25 years old. The varieties are Bon Silene, Safrano, Jack, Paul Neyron and Magna Charta, and they produce more and better flowers than young plants occupying equal space. The plants are in solid beds. During the summer the sash are removed from the house, allowing the plants to grow to a height of seven or eight feet. Early in the fall they are pruned down to two eyes, the sash replaced on the house and the plants slowly started up with the aim to get a crop in for Easter. R.

UNADILLA, N. Y.—Easter trade the best in ten years. Violets, valley, roses and carnations in great demand; Harrisii sold well but not called for as in former years. Bulb stuff all sold even to the 5-inch pots of Crocus. Large hydrangeas sold well, though but little call for azaleas. The bulk of the trade was in choice cut flowers and prices realized the best since we have been in business. N. H.

LOUISVILLE, KY.—F. Walker & Co. report the largest Easter trade they ever had, the call being largely for plants.

DETROIT, MICH.—The Park Commission proposes to expend \$12,000 for greenhouses in Belle Isle Park.

HEADQUARTERS FOR
ASPARAGUS PLUMOSUS NANUS
W.H. ELLIOTT
BRIGHTON, MASS.

CUT STRINGS, 10 feet long, 50 cts. each.
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The Florists' Rose, a free bloomer, always an attractive and selling color. No bull heads.

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JOHN H. DUNLOP, Toronto, Canada.

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Dahlia Camelliaeflora...

Illustrated in Florists' Review January 26, 1899, and in Florists' Exchange August 13, 1898.

Awarded by the American Institute of New York a Diploma on pot plants of Dahlia Camelliaeflora and a First Class Certificate on Cut Flowers of the Dahlia Camelliaeflora.

This variety is particularly good for Spring sales as pot plants and is an abundant bloomer, valuable for cut flowers, and does not exceed two feet in pots or in field. The blooms are bold, clean cut, pure white, with very full center. Good, strong plants out of 2½-in. pots, \$1.50 per doz.; \$10.00 per 100. Orders booked now and filled in rotation. Cash with order.

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15,000 Oaks, 3 to 8 ft., assorted varieties, finely rooted.
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BEECH, European and Purple Leaved; **BIRCH,** Cut Leaved Weeping, White and Yellow; **ELMS, ASH, LINDENS, HORSECHESNUTS, MAGNOLIAS and WILLOWS.** In fact an immense stock of choice **DECIDUOUS TREES.** Send list of your wants for estimate, or call and see our stock.

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READY TO SHIP AT ONCE.

	Per 100
ARGYLE	\$3.00
EVELINA	3.00
EMPRESS	3.00
PAINTED LADY	2.00
PSYCHE	2.00
FLORA HILL	1.50
JUBILEE	1.50
MAYOR PINGREE	1.50
ARMAZINDY	1.50
JOHN YOUNG	4.00
NEW YORK	4.00
MRS. JAS. DEAN	4.00
BONTON	4.00
EVANSTON, 1899	6.00

Five cuttings at 100 rate.

PLANTS, 2 1-4 inch.

	Per 100
BEGONIAS, Erfordii, fine bedder	\$2.00
" Hybrida	2.00
" Sandersonii	2.00
" Fuchsias	2.00
" Paul Bruant	2.00
" Fuchsoides	2.00
" White Rubra	2.00
" Schraidtje	2.00
" 10 others in small lots	2.00
ABUTILONS, Souv. de Bonne	2.00
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FEVERFEW, Little Gem	2.00
IRENES, in two colors, red and yellow, they make the best Canna borders	2.00
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" from flats50
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NEW COLEUS BROWNII, a crimson brown bedder	5.00
MME. SALLEROI	2.00
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CHRYSANTHEMUMS, Mrs. Northcott, Modesto, Halcyon, Vernon Beauty, Mme. des Granges, Florence Farmer and Mrs. J. Peabody	2.00
IRIS, purple, yellow, blue and white	3.00

Five plants at 100 rate.

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Persian and other Lilac, 5 to 6 ft., 20c each.
Spireas — Thunbergia and Reevesia, 3 to 4 feet, 15c each.
Raspberries — Cuthbert, E. Prolific, Marlboro, and Golden Queen, \$1.00 per 100, \$8.00 per 1000.
Gooseberries — Red Jacket, 2 years, 65c per 10, \$5.00 per 100. Houghton, 2 years, 35c per 10, \$1.25 per 100.
Golden Mayberry, \$1.25 per 100, \$10.00 per 1000.

GEO. F. CURWEN,
VILLA NOVA, - - Del. Co., Pa.

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Rooted Runners from **Marie Louise Violets**, which have borne 100 flowers per plant this last winter. From now until May 1st will sell good Rooted Cuttings at \$5.00 per 1000. Come and see for yourselves, dear friends, and I will prove to you that my stock is clean, free from disease and first class in every respect.

C. LAWRTZEN, Money refunded if not just as I say. Cash with order.
RHINEBECK, N. Y.

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The Cry Is, Still They Come!

Extract from "The Weekly Florists' Review," April 6, 1899.

HARTFORD, CONN.

"The Spring flower exhibition of the Conn. Horticultural Society opened March 28.

"VERY FINE CYCLAMEN were exhibited by James Ballantyne, gardener for Ex-Gov. Morgan G. Bulkeley, WHICH FOR SIZE OF INDIVIDUAL FLOWERS ARE SELDOM EQUALED. These were awarded a first prize, and also the 'Jadoo' prize, the plants having been watered with 'Jadoo Liquid.'"

Extract from "American Gardening," April 8, 1899.

CONNECTICUT HORTICULTURAL SOCIETY.

"THE CHIEF FEATURE of the Show was an exhibit of CYCLAMEN OF IMMENSE SIZE, BOTH AS REGARDS PLANTS AND BLOOMS, shown by Mr. James Ballantyne, gardener to Ex-Governor Morgan G. Bulkeley."

CONNECTICUT HORTICULTURAL SOCIETY.

Westland Street.

HARTFORD, CONN., 30th March, 1899.

THE AMERICAN JADOO CO., Philadelphia, Penn.

Dear Sirs: — I beg to state that there was one entry made in your special classes for our Spring Exhibition, Class S, for Cyclamen watered with Jadoo Liquid. First prize was awarded to Mr. James Ballantyne, gardener to Ex-Gov. Morgan G. Bulkeley. THESE PLANTS WERE THE GREATEST FEATURE OF THE SHOW.

Respectfully yours,

(Signed) C. H. BOYKETT, Secretary.

Send for our new catalogues.

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100,000 VERBENAS, THE CHOICEST VARIETIES IN CULTIVATION....

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

{ No Rust or Mildew.
 Packed Light and
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We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

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A large and fine stock of well rooted plants, grown in a sandy loam. Good plants, best sizes for planting, very cheap.

Trade list free on application.

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BERLIN, ONT.

Easter has come and gone and this little town did a larger cut flower business than "has been." Lillies were all cleared off early in the day at 15 cents and many more could have been disposed of. No. 2 roses went off lively at \$1.50, but the people are hardly educated up to No. 1's at \$2 and \$2.50 yet. Carnations were in great demand at 50 and 60 cents; tulips, all colors and sorts, went well at 40 cents; daffs were cleared out at 60 cents and more could have been sold. There was not a large demand for plants and some spiraea were left over. Most of the churches did a little decorating, but nothing extensive was indulged in. At the annual bachelors' ball held at the Walper House on the 7th almost as many roses and carnations were sold as at Easter, and there was a greater run on violets than the supply could satisfy. The town fairly outdid itself and will, I suppose, have to start now and save up for planting out time.

Messrs. Gammage, McKenna, Bennett and Scrim have had an interview with the government concerning the tariff question and ably set forth the wishes of the trade in Canada as expressed by the Canadian Horticultural Association. They were received most courteously and think they made an impression which will result in at least a partial remedy for evils at present existing. Gentle spring has not arrived yet, but there are signs that she may do so at any time now.

A. H. E.

DENVER, COLO.

A little vacation after a week's hard work shows that the boys had not forgotten how to roll the balls, as the score herewith given will demonstrate. Whether it was the good Easter trade or the election returns that had such an exhilarating effect upon them is unknown, but one thing is sure, there was not too much Johnson in the crowd although Johnston was elected next Mayor of Denver.

Following are the scores:

	1	2	3	4	Av.
Chas. Mauff	150	215	176	161	175
J. H. Jakobsen	155	197	200	149	175
John Berry	216	198	174	108	174
Chas. Thiess	167	189	153	153	165
Geo. Brenkert	126	161	188	137	153
Robt. Kurth	136	127	194	146	151
A. E. Mauff	123	127	167	178	149
Perry Gallup	110	161	152	143	141
Chas. Meyer	160	124	129	148	140
A. M. Lewis	152	138	114	154	139
M. J. Saylor	143	106	149	154	138
John Ferris	112	165	139	110	131
Gilbert Scott	113	161	135	94	126
Chas. Franz	118	141	133	109	125

A CIRCULAR has been issued by the American Carnation Society inviting subscriptions toward a permanent fund, at which a start was made at the Chicago meeting. The society starts this month with \$500 at interest, and it is hoped to so increase this fund that the revenue from it will largely meet the running expenses of the society.

Look Here for Rooted Cuttings

	Per 100		Per 100		Per 100
Abutilon, var. trailing	\$2.00	German Ivy	\$1.25	Geranium Md. Bruant	\$2.00
Ageratum, blue and white	1.00	Heliotrope, per 1000, \$10	1.25	" Mrs. Parker	4.00
Alternanthera, red and yellow, per 1000, \$5.00 . . . . .	.60	Geraniums, named; Double		Imp. Sultana	1.50
Anthemis, double yellow	2.00	Grant, La Favorite, S.		Lemon Verbena	1.50
Begonia Rex, 50 to 80 var.	2.00	A. Nutt, Rev. J. B. Atkinson, Gloria de France		Lobelia, blue	1.00
" Incarnata Gigantea	2.00	etc., per 1000, \$12.50	1.50	Lantana, assorted	1.50
" Vernon	1.00	Mixed, per 1000, \$10	1.25	Manettia bicolor	2.00
Chrysanthemums, named	1.50	Md. Sal., " 10	1.25	Pyrethrum Little Gem	1.50
Cuphea (Cigar plant)	1.00	Bronze	1.50	Pelargoniums, named	4.00
Coleus, mixed, per 1000, \$5 . . . . .	.60	Silver Leaf	1.50	" mixed	3.00
" separate colors " \$6 . . . . .	.75	Rose Scented	1.50	Double Alyssum, giant	1.00
Fuchsia Trailing Queen	1.50	Mrs. Pollock	2.00	Salvia, scarlet	1.25
" named	1.50	Freak of Nature	3.00	" golden leaved	2.00
Forget-me-not, winter flowering	1.50	Happy Thought	3.00	Violet M. Louise . . . . .	.60
		Mars	3.00	Verbenas, per 1000, \$8 . . . . .	.75
				Daisy Snow Crest	2.00

POTTED PLANTS. 2½-inch except where noted.

	Per 100		Per 100		Per 100
Begonia Rex, mixed, 20 to 30 var.	\$1.00	Mrs. Pollock Ger	\$4.00	Vincas Var., 2-in.	\$2.00
" Louis Closson, \$4 and 6.00	6.00	Silver Leaf "	4.00	" 3-in.	4.00
" named varieties	6.00	Mars "	6.00	" 3½-in.	6.00
Fuchsia Trailing Queen	4.00	Md. Bruant "	4.00	" 4-in.	10.00
Forget-me-not, winter flowering	3.00	Lemon Verbena	4.00	Dracaena	\$5.00 to 80.00
Abutilon, var. trailing	4.00	Hydrangeas, P. and W., 4-inch	10.00	Imp. Sultana	3.00
Mrs. Parker Geranium	6.00				

Terms Cash or C. O. D.

GREENE & UNDERHILL, Watertown, N. Y.
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Plants in 2½-inch pots NOW READY. Price — per 100, \$15.00; 50 at 100 rate.
per 1000, \$125.00; 250 at 1000 rate.

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For sale also by

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Manufacturers of WIRE & DESIGNS
and Dealers in

FLORISTS' & SUPPLIES

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Perles, Woottons and Meteor in 2½-in. pots. Brides, Maids, Meteors, Kaiserins, Woottons, Perles, and Beauties in 2-in. pots. Send 50c or \$1.00 for samples of varieties you want.

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A fine lot of Geraniums in 3 and 4-in. pots. Ready in bloom.

Write GEO. A. KUHLE, Pekin, Ill.

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CRABB & HUNTER,

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Brides & Bridesmaids, From 2-in. Pots, Nice Clean Stock at \$2.50 per 100

Smilax, 2-in. pots, at \$1.50 per 100.

CARNATIONS--Rooted Cuttings.

Scott, Bridesmaid, Stuart, Meteor, Gold Finch, Uncle John, per 100 \$1.25
White Cloud, Dazzle, " 3.50
Daybreak, Flora Hill, Albertini, per 100 2.00
Rex Begonias, 2½-in. pots, 8 varieties per 100 3.00

Cash with Order.

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For destroying ground moles in lawns, parks, gardens and cemeteries. The only PERFECT mole trap in existence. Guaranteed to catch moles where all other traps fail. Sold by Seedsmen, Agricultural Implement and Hardware dealers, or sent by express on receipt of \$2.00, by

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ROOTED CUTTINGS.

G. H. Crane—The leader, large brilliant scarlet. Early and continuous bloomer.
Gen. Maceo (Ward) Maroon scarlet. The best of its class. Early and free.
Gen. Gomez (Ward) Cardinal maroon. Free bloomer, long stiff stems.
Glacier (Ward) Pure white, dwarf habit.
America (Hill) Large soft scarlet.
Melba (May and Craig) Light pink.

White Cloud. All who have tried this variety declare it to be the best white carnation ever introduced.

Gold Nugget, yellow. **New York**, cerise pink.
Mrs. Jas. Dean, light pink. **Mary Wood**, white.
Mrs. Geo. M. Bratt.

Also, the best of all the other 1898 and standard varieties. **We have a FINE STOCK.**

Send for our complete descriptive Price List.

F. Dorner & Sons Co.
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CARNATIONS, Smilax and Pansies

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AT ORDINARY PRICES.

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X PLANTS, 3-inch Pots.

CHRYSANTHEMUMS.

	100	1000
Frank Hardy, 5 inches.....	\$2.50	\$25.00
Modesto, Bonaffon	2.50	25.00
Glory of the Pacific.....	2.50	
Georgiana Pitcher, Mrs. F. Perrin...	2.50	
W. H. Lincoln.....	2.50	

CARNATIONS.

Maud Dean, Mayor Pingree.....	2.00
Harrison's White, Alaska, Meteor....	2.00

ROSES.

Yellow Rambler, Pink Rambler.....	2.50	25.00
White Rambler, Bride, 'Maid	3.00	
Pres. Carnot.....	4.00	

All First-Class Stock.

ALVAH L. REYNOLDS, Madison, N. J.
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The MODEL Extension Carnation Support.

Read what some of our best growers say concerning it.

Flatbush, Brooklyn, N. Y., Feb. 18, 1920.
 Mr. Theron Parker. Dear Sir:—Your wire stake is certainly a gem. Without hesitating we endorse it as an up-to-date Carnation Support. Yours truly,
 DAILEDOUZE BROS.

Other testimonials will appear weekly. Write for prices.

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We offer Well-Rooted Cuttings of Roses and Carnations, as per list opposite, all in fine condition.
Place orders early.

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We also offer strong Rose Plants out of 2½-inch pots, as follows:

	Per 100	Per 1000
BRIDESMAID.....	\$2.50	\$20.00
BRIDE	2.50	20.00
PERLE	3.00	25.00
METEOR.....	2.50	20.00

NEW CARNATION Evanston

Rooted Cuttings
 \$ 7.00 per 100
 60.00 per 1000
 500 at the 1000 rate.

All Plants and Cuttings sold under the condition that if not entirely satisfactory they are to be returned at once.
 No orders for less than 100 of one variety accepted.

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New and Standard
Varieties.

Our Price List is teeming with new and good things. Send for it.

The stock we send out is a source of satisfaction to our customers and pride to ourselves.
 Don't wait too long; some varieties are already very scarce.

H. Weber & Sons, - Oakland, Md.

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New Variegated Fancy CARNATION

SANDUSKY

The earliest, freest, largest and most productive variegated Carnation ever offered to the trade. One that can be grown at a profit for two dollars per hundred blooms.

TRY IT! \$2 per dozen.
 \$10 per hundred.
 \$75 per thousand.

W. E. HALL, Clyde, Ohio.

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CARNATION SEEDLINGS.

From Hand Fertilized, Winter Blooming Varieties.
 100 plants for \$4.00, 25 plants at 100 rate.
 Sent free by mail.

American Rose Company,
 All Seeds Sold. Washington, D. C.

CONCH SHELL CARNATION.

Rooted Cuttings now ready, from sand. The perpetual producer of bloom the year round, color light pink, built up in the center; long stiff stems; non-bursting; fringed and fragrant and a good keeper; from 2½ to 3 in., when well grown; will average 3 in., \$6.00 a 100, \$25 per 500, \$50 per 1000.

H. GROUT, 239 Pine Street,
SPRINGFIELD, MASS.

Mention the Review when you write.

THE BIG SIX CARNATIONS!

Mrs. Bratt, Gold Nugget, White Cloud,
 \$5.00 per 100, \$10.00 per 1000.
 Flora Hill, Daybreak and Jubilee,
 \$2.00 per 100, \$15.00 per 1000.

Also 9 most promising varieties of '99, and 15 leading standard varieties.

GEO. HANCOCK & SON, Grand Haven, Mich.

Carnations = ROOTED CUTTINGS....

FINE STOCK.

Daybreak, \$1.50 per 100, \$12.00 per 1000
Wm. Scott, 1.00 " 7.50 "

Cash with order.

C. SOLTAU & CO.
 199 Grant Ave. JERSEY CITY, N. J.

Mention The Review when you write.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

520-535 Caxton Building, Chicago,

334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/2 page, \$13.50; full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.
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Petoskey, Mich.—Easter trade was good, fully 20 per cent better than last year. Prices fair and all stock plentiful except carnations and lilies, which were scarce owing to large demand caused by funeral work.

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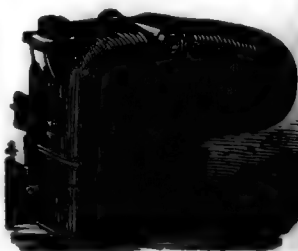
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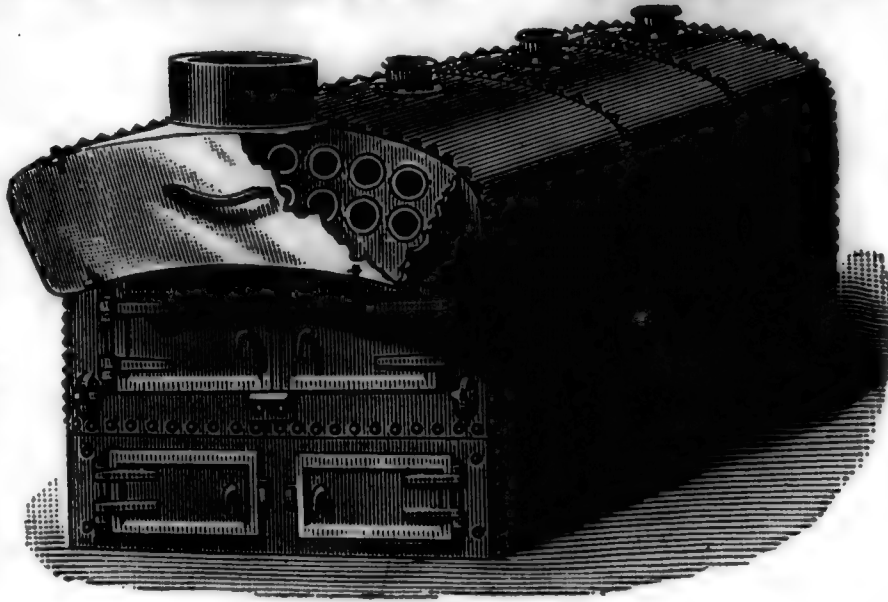
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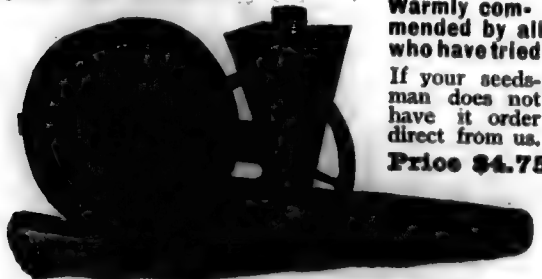
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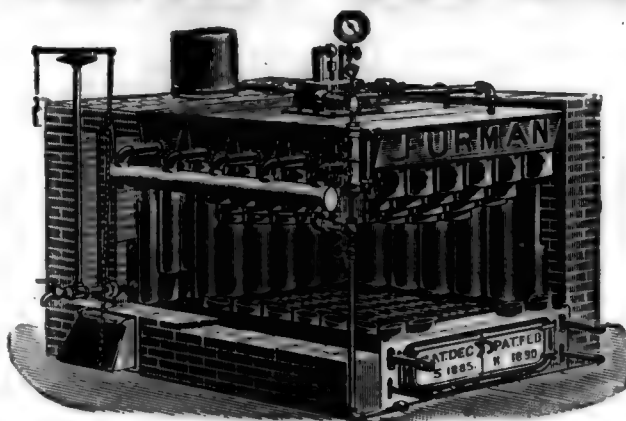
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Vol. III.

CHICAGO AND NEW YORK, APRIL 20, 1899.

No. 73.

LANDSCAPE GARDENING.

It is pleasing to note that owners of suburban residences are paying more and more attention to the proper planting of their grounds and the florist is frequently called in to give advice and to undertake the planting of hardy subjects. Therefore the florist doing a general business should be something of a landscape gardener as well as a florist.

there can be seen here one of the best general collections of hardy plants to be seen on any private place.

In the picture only a group of yuccas are seen in bloom but a trip around the border of the lawn at any time during the summer is full of delightful surprises, and a true lover of flowers and gardens will need several hours to complete the journey. The view gives the handsome general ef-

fects. Still there is never a scarcity of bloom. We may print something later as to selection of plants and shrubs to produce a continual display throughout the season.

The second picture gives a sky effect and view of Lake Michigan obtained from a bay that extends in among the trees seen in the background of the first picture. This is one of the many happy surprises to the visitor and helps materially to give the impression of great extent to these comparatively small grounds.

Mr. Egan, who has retired from business, devotes his whole time to making Egandale the loveliest spot in the west, and to his duties as secretary of the Horticultural Society of Chicago, to which organization he has been a tower of strength.

GRAFTED ROSES.

Would it be wise to leave grafted stock of Brides, Bridesmaids and Kaiserins in the benches containing 4½ inches of soil in which they were forced last year; or would it be advisable to replant in fresh soil? Or would better results be obtained from young plants of this season on their own roots?

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If young grafted stock can be procured, we would consider it infinitely better to replant the houses with it, in place of running the old stock another season on raised shallow benches.

The only way we advise growing grafted roses the second year is by planting them in solid benches in 6 to 8 inches of soil. But even here, taking all things into consideration, we find the advantages so slight that we have abandoned this method in favor of replanting with young stock each season, on raised benches in 4 to 5 inches of soil, adding liberally in the way of animal manures during the winter and spring months.

We find it best to allow grafted roses



The Lawn at Egandale.

As suggestive in this direction we present a view of the lawn at Egandale, the country residence of Mr. W. C. Egan, Highland Park, Ill., near Chicago. The grounds comprise only six or seven acres but as the result of admirable treatment in planting seem to be much greater in extent. Nearly every department of gardening is represented on these few acres, and

fect but tells nothing of the beauties to be found in the bays that often extend back to the tree line which indicates the bank of the ravines that bound the grounds on the west and south.

Formal bedding is used in other parts of the grounds but in that shown in the picture the effects are maintained almost entirely with hardy sub-

a little more space between the plants than we used to give roses when grown on their own roots, as the grafted plants make more top growth and the root action is correspondingly stronger, which, if confined too

much, results in thin, wiry growth and small flowers, whereas if given good space, with liberal feeding, we have reason to expect an increased quantity of uniform high grade flowers.

S. A. B.

MISCELLANEOUS SEASONABLE HINTS.

Seed Sowing.

At last the frost is about out of the ground and gardening can be begun. There should be no delay in sowing sweet peas; if sown late they amount to little. Quite a discussion occurred some time ago about "how to sow." It does not make much difference. My plan is to draw with a hoe a broad drill 3 inches deep, scatter the seed thinly on the bottom, and if you want the seed to germinate quickly (sometimes in a dry spell it does not), water in the drill before you cover the seed and cover about one inch. This will leave the drill in a slight depression, which can be filled in at a future watering.

Mignonette, candytuft and many other seeds should be sown directly the ground is dry enough. If you have not the convenience of any glass structure, such seeds as Phlox Drummondii, asters, marigolds and stocks can be sown out of doors. There will be no danger of any frosts by the time they are through the ground, and if there were these little seedlings receive no harm, for they have never been coddled up with artificial heat. Don't sow balsams or nasturtiums till next month, as, with our Indian corn, a wet spell would rot the seeds. I cannot refrain from mentioning what I saw on our main street a few moments ago. It was not Indian corn, but a corned Indian. Someone had violated a U. S. law.

Gladiolus.

Gladiolus should be planted at once; that is, some of them, for it is well and proper to have a succession, and they can be planted in succession till the 1st of July. Bulbs, or rather the corms, that are not planted should be kept as cool as possible, as they shrivel up in hot weather. Plant the bulbs three or four inches deep, as close as you like in the rows, and the rows 16 inches apart; then you can cultivate between the rows with the Planet, Jr., cultivator, which is such a saving over the hand hoe.

Hardy Plants.

If you neglected to transplant or divide your herbaceous plants in the fall, do it at once if conditions so require. If moved before root action begins they will go on and flower without any check. The pyrethrum, one of the best of our hardy herbaceous plants for florists, does not move or divide very well in the fall, and does not submit to division at any time with great success. It is best increased by cuttings made from the young growths in May or the young growth which occurs again in July. After being rooted, if potted and grown in pots for a couple of months in the open air, you can plant them out in the field in October.

Some weeks ago I wrote of moving

trees, shrubs and our so-called evergreens, and I omitted to say something about pruning shrubs, which, if you have any more pruning to do for yourself or neighbor, may be a point to you. Too many who handle the shears think that pruning consists only in shortening all last year's shoots a foot or two. There is a wide difference between the manner of growth and flowering of our deciduous trees and shrubs. One class, perhaps the largest, are those that set or develop their flower buds in the fall. The apple, pear, plum, and among our best known shrubs the lilac, *Pyrus japonica*, magnolia and deutzia, are all of this class. If you cut back these shrubs hard as you would a rose, you get no flowers, but only a strong, vigorous growth of wood, so they should be shortened back but little, merely cutting out dead or weak wood and shortening back the last year's growth only when it is occupying more room than you desire. The other class are those which make some growth and develop a flower bud or spray at the end of this growth. Familiar types of this class are the rose, *Hydrangea paniculata* and *viburnum*. These latter are greatly benefited by hard pruning. You will of course get fewer flowers, but you will also get a strong growth and much finer flowers.

Lancifolium Lilies.

The lancifolium lilies should not be neglected. They have been kept in a very cool house in 4-inch pots; they should now be shifted and staked and given a good bench, and be sure not to let fly make a boarding house of them. We always find the album and



Sky effect and View of Lake Michigan at Egandale.



Bedding at Lincoln Park, Chicago.

roseum most useful in August. Auratum is grand, but too powerful.

Pot Roses for Easter.

For several years, except last year, we planted on a bench in 4 inches of good soil some American Beauty roses. If good strong plants, they pay for the space and labor during July, August, September and October, four times as much as the space would pay by being occupied with mums. We slightly dry them off in November, when we want the bench for lilies, lift them carefully, pot in 6-inch pots, keep cool and shaded for a week or two, and as winter approaches protect from very hard freezing, and after New Year's start them growing in a cool house, and by gradually increasing the heat get them in for Easter. I should have said, although all would know, that when lifted, three or four of the strongest stems only are left, and those cut back to three or four good eyes. We all know that American Beauty is not a good outside rose, but, treated as above described, it has no equal. Through want of personal attention this operation has not always been a marked success, but on other occasions it has been the most paying thing on the place. A rose in a 6-inch pot with six or seven perfect flowers, with stems a foot long and half a dozen more buds to come, will catch anybody, and it will sell for \$3.00 and occupy half the space of a three-dollar azalea and about half the time on the bench. Furthermore, you have

had a good many flowers during the summer, which in our country town always sell for quite as much as prize chrysanthemums do nowadays.

WM. SCOTT.

FLORISTS' FIRE ASSOCIATION DISCONTINUES BUSINESS.

By a vote of the directors it has been definitely decided to discontinue the business of the Florists' Mutual Fire Insurance Association. It was hoped that the later months of the spring and winter would bring in a large amount of new business, but instead the amount was very small, although there were many inquiries and considerable correspondence on the subject.

The association has settled all losses except that of Mr. Phelps, of Hackensack, N. J., which occurred a few days previous to the carnation meeting at Philadelphia. It was thought at that time that the loss would not amount to more than \$500 or \$600, as it was likely that the heating apparatus could be saved, but the damage was much greater than was at first apparent and was more than his policy of \$2,000. This amount is more than the association can pay at this time, but Mr. Phelps has agreed that in case the association discontinued business to accept the amount on hand in full payment of loss.

Officers and directors of the association have spent freely, both of time and money, in the endeavor to place

the association on its feet, and it is a matter of great regret to them that the result could not have been otherwise. No one has profited, the secretary alone receiving a salary and that of but \$15 per month, all of which was paid out for clerical service. A full statement showing the disposition of every dollar received, will be sent each member as soon as final settlement can be effected.

W. J. VESEY, Sec'y.

THE LATE PRIZE COMPETITION.

While thoroughly appreciating the efforts of the Review and being also thoroughly convinced of the honesty with which the competition was carried out, I must say that I was disappointed that something better, more original, was not brought to light. I suppose one might safely say that no trade is so far behind in labor saving devices as our trade, and this competition shows that with one or two exceptions no one has tried much to get out of old ruts. I was not personally interested in any of the entries made and voted quite independently, and those entries which obtained the first and second prizes were included in my three votes. It was rather a surprise, however, to see that the fumigator was given third place, a device which I suppose hundreds of florists have used for years and years. I myself used it 20 years ago. In my opinion the rose stake tyer should have had a higher place, it will be found a great labor saver by grow-

ers, large or small, certainly much more so than many of those entries ahead of it, and it is certainly more original. I hope The Review will see its way to have another of these competitions, as I feel sure that when the

"grey matter" of those in the trade sets to work on these labor saving devices, something more efficient still will be produced than those in the competition just closed.

A. H. EWING.



Easter Combinations.

Some of those "Easter combinations" were very beautiful; others were simply awful. There never was a time in the history of American floral art when the rules of color harmony were ignored as they were the past Easter. Many of the "get-ups" seen in the retail stores were daringly sensational, to say the least. It was not only in the contrast of color, but in the arranging. Every kind of ribbon was used; polkadots in every hue, striped and multi-colored plaids—in fact, all the old stocks of the milliners' shops seemed to have been bought up by the florists and used this Easter. Of course, some of it is left, and it is to be hoped they can keep it out of sight till next Easter. Those self-colored gauze ribbons are all right, though, when judiciously used, and we think they have come to stay, though they will never entirely replace the good old corded silk or grosgrained satin ribbons.

Window Displays.

We are right in the middle of spring with an ever increasing variety of cut flowers in the market, and for a few dollars we can buy enough to make a good window display. We believe the florist's window should always to a certain extent display the art that is in the store. In the winter, when flowers are high, you might have some plausible excuse, though quantity of material is not always essential to get the best effects. At this time of the year, however, no one can be excused for keeping a poor window, and though "spring flowers," with all their multitude of forms and color, will necessitate a "mixed window," still with a little care you can make it a symphony of color. You need not put every bunch in a separate vase to spread them out; they will look better

clustered; and once in a while put your mixed lot in vases on the end of the counter and put one color in your window; for instance, a large vase or basket of yellow; the next day pink, and so on; but be sure they are arranged artistically, not on wires and sticks, but in water.

If you have any remnants of Easter plants left, or any of the material particularly identified with Easter, give them a retired position; make your stock, no matter what it may be, look fresh and salable; never harbor old stock or injured plants if you can help it, for they spoil your trade and reputation. Don't throw your old flowers in the ash-can; if they are any good you will find schools or hospitals in every village and town, and your generosity to them will not injure your trade. If your business or your heart won't allow this, then keep your old flowers in a separate box and out of sight.

Don't be stingy with your customers; flowers are cheap and you can afford to be liberal; remember, almost any customer will appreciate a spray of this flower or that thrown in with what they buy, and it is not the value of the thing—it is the disposition you show.

Seasonable Flowers.

Now, no one can live on the same kind of food all the time, and neither can our business live and prosper on having the same variety of flowers all the time. Keep your eye open for variety, particularly for novelty. If you cannot be beyond date, at least be up to date. Gardenias are coming in freely; they are the latest for bridal bouquets. These beautiful, fragrant flowers are arranged with their own foliage and buds, the handle of the bunch being twisted and tied with broad cream satin ribbon. These flow-

ers are still the choicest for boutonniere or corsage bouquet; they are also extra fine for finger-bowl sprays, in which case boutonnieres and corsage bouquets can be dispensed with. Cut the flowers with plenty of stem and foliage and have the flower face the guest.

Violets are getting small and poor—that is, of course, the double varieties, which will soon be unsalable. The single varieties, however, will be fine for some time to come, but it is strange that whilst these single ones sell well in Philadelphia and other large cities, in New York there is little or no demand for them.

A glass bowl filled with white lilac, with a cluster of La France roses at one side, a few hanging down and forming a semi-circle a little from the bowl, is a pretty design for the dinner table. These two flowers make a charming bouquet for vase, hand or corsage.

Moss roses are in, and they are fine; try them with lilac or valley. Put a cluster of them with a bunch of Jacques, Meteors or Mme. Gabriel Luizets, and what can you get to equal them? Moss roses are about the choicest thing in roses on the market just now; they are not alone grand by themselves, but they enable you to put a finishing touch on any design or arrangement; but care should be used to keep them in a cluster by themselves.

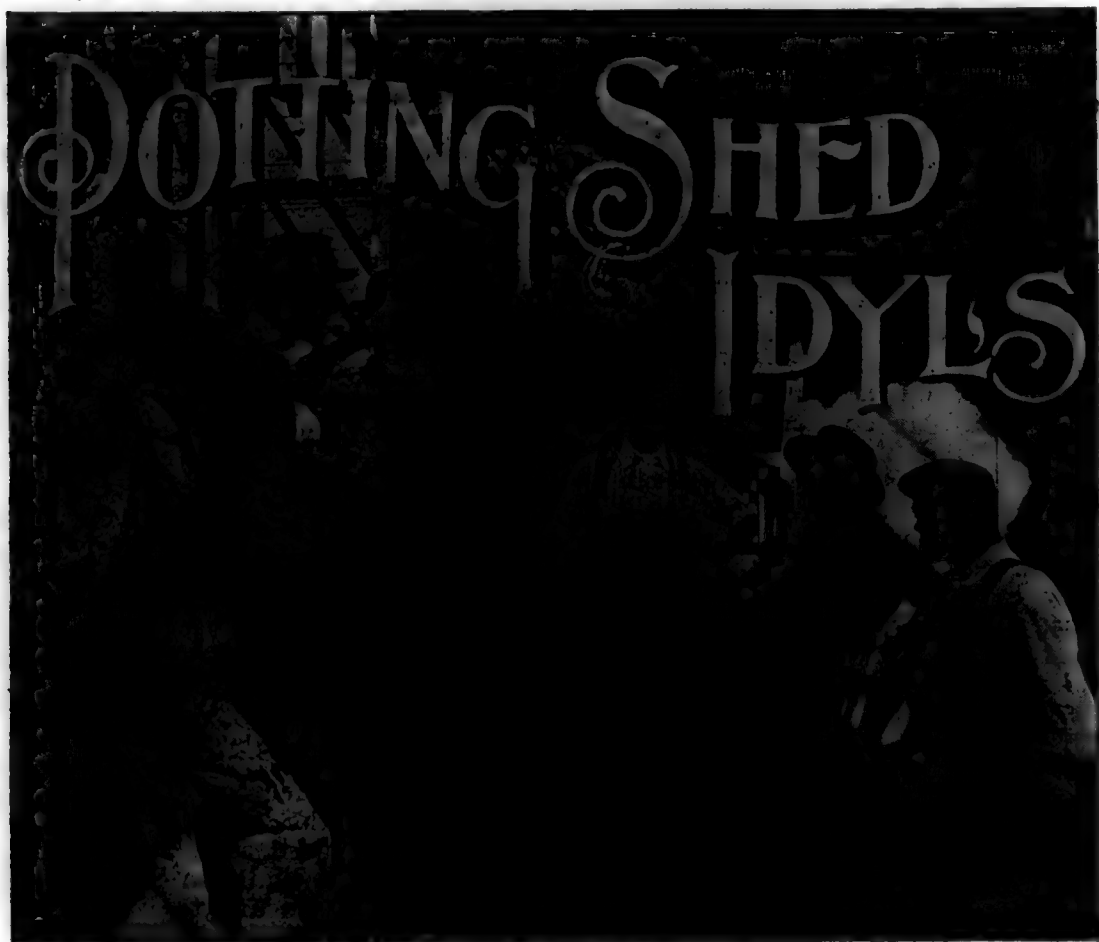
We have all kinds of flowering shrubs to pick from and nothing is finer for decorations, but remember, you must put them in water, in Japanese vases if possible, and have them in good sized bunches to be effective. Rows of pyramid shaped Magnolia Soulangeana in pots and in full bloom make a superb avenue for a wedding procession to pass through, or they are good anywhere; imported stock is easily forced.

Wallflowers have been on hand for some time; many of the varieties are fine, and a bunch will go well with any box of spring flowers. Induce some grower to furnish you with a bunch of lemon verbena regularly; a spray of it adds a lot to a box of flowers.

Large, loose bunches of roses in vases filled with water are about the best to recommend your customers to send to steamers. The flowers can be arranged in the state room and remain fresh for a long time. Sweet-scented flowering plants in pots are another pretty and lasting gift. It is not always wise to use up "any old thing" in a steamer order; some passengers are like injured men—they have long memories. Try to induce your special customers to take some kind of rose or carnation that they can wear on "t'other side," and this can be easily done by furnishing the right stock.

Antirrhinums are obtainable and many of the colors are beautiful; they are fine for vases; so are Canterbury Bells.

IVERA.



JAGGS IN GREATER AMERICA.

In the early spring before the Easter rush had subsided, Jaggs began, as usual, to exhibit a slight restiveness of temper, together with a striking indisposition to plant carnations, and no one was surprised when he asked the boss for a temporary leave of absence, which was declined in italics. He had heard, he explained, of the demise of his maiden aunt, who had spent her blameless existence in selling tobacco and hardbake in the vicinity of Camberwell, and the British consul at New York was anxious to communicate with him, relative to a small legacy. The boss, however, heard this narrative with refrigerating calm, and merely remarked that if Jaggs didn't get the last of the McGowan's planted before supper he would be liable to hear something drop. Half an hour later Jaggs, who had providently borrowed a violent pink shirt and a white satin tie from the newest "rookie" on the place, wandered rapidly towards the railway station, and Lonesomhurst knew him no more for many moons.

The horticultural graduate, whose desire to join the Rough Riders had been rudely quenched because he couldn't ride, and who had been denied even the poor consolation of entering the infantry because he was, as Tommy Atkins expressed it, a bit shy on teeth, observed cynically that Jaggs was just the sort of a fellow to enter the army. The general impression was, however, that Jaggs was more possibly detained by an unsympathetic judiciary.

It was long months afterwards that the wanderer appeared. One of the

boilers, suffering from an attack of general debility, was leaking badly, and Tommy Atkins, emerging from the boiler pit, very rusty as to his outer man, and with his countenance adorned with red lead, like an imperfectly tanned Indian in his war paint, was amazed to behold Jaggs leaning against the potting bench, while the boss held a post mortem upon a dead Cattleya. Jaggs nodded carelessly at the amazed Tommy, reached for a handful of live sphagnum, and began to top-dress the orchid pot, while he continued some absorbing narrative. He did not appear at supper, and the entire force was righteously impatient when he finally entered the potting shed, carrying in one hand the boss's revolver and in the other an oil-can, a piece of very decayed chamols and a few quill feathers.

"I suppose you thought it just as well to be prepared in case we began to ask questions," observed the horticultural graduate, genially referring to the revolver.

"Don't you know as they always throws in a gun with one o' them Armour's 'am pinafore's?" inquired Tommy Atkins, drawing public attention to Jaggs's costume. In place of the coat in which he had left Lonesomhurst, Jaggs wore a military blouse of light brown khaki, which was adorned on one sleeve with the crossed flags of the signal corps, and on the other with the pacific emblem of the red cross.

"A chap needs uncommon talent," continued Tommy, "to belong to two branches of the service at once. I suppose, old chap, when you wasn't wigwaggin' in the Signal Corps you

was doin' the Good Samaritan without the tuppence, along o' they Red Cross nusses?"

"How could he bother about signals, said the horticultural graduate, sarcastically, "when there's no doubt he was the very first man on top of the hill at San Juan?"

"Now, don't begin bein' a gaudy idiot, Johnny," remarked Jaggs, affectionately. "I ain't one to take the credit as belongs to another chap, and I was busy enough while them Rough Riders charged up the hill, breakin' a way through one o' them Spanish trochas. One o' the Rough Riders—a chap from Oklahoma, he was—started saying' things as I wouldn't repeat 'cos, he say as some pizen-faced swamp lizard in his own company swiped his cartridge belt and he hadn't a round left. I says, 'What's the matter with lassoin' them bloomin' Dagoes, chuckin' him a lot o' the barbed wire from the trocha. He give a whoop as you could hear in Kalamazo, coils the wire, and sails in. In five minutes every cow-boy in sight has a barbed-wire lasso, and was ropin' in Spaniards like he was roundin' up a bunch o' cattle out on the range."

"Strange that none of the newspaper correspondents described that," observed the horticultural graduate, suspiciously.

"The trouble with them newspaper chaps is as they tells so many things as ain't so, and let's a lot o' the real facts get away," observed Jaggs, solemnly, as he drew the cartridges from the boss's revolver with elaborate caution. "Now, then, Jimmy, if you wants to know somethink o' the real horrors o' war, just throw them cartridges into the firebox while you're stokin'," as the fireman, in his anxiety to hear the narrative, swept the cartridges and a few other trifles off the bench with the end of his poker.

"How did you come to leave the service so soon?" asked the graduate. "By unanimous request, I suppose. I wonder you didn't join some command going to Manila, you know so much about Borneo that you'd be a real acquisition."

"Borneo ain't all beer and skittles," observed Tommy, pensively, as he filled a disreputable pipe with Davy's tobacco. "I was there afore I chucked the harmy; when we wasn't chivying Dacoits we was fillin' ourselves with quinine. But it's jam, reg'lar apricot jam, to them Sulu Islands, as they're goin' to gather in along o' the Philippines. However, since Uncle Sam's tryin' to make a souvenir collection o' job-lot islands, why, let 'em all come."

"The islands ain't so bad, what there is of 'em," observed Jaggs, squinting down the detached barrel of the revolver to see whether it was clean enough. "I run across a pitcher plant when I was collectin' there, a giant form of *Nepenthes bicalcarata*—as would make a sensation, if I hadn't

lost the entire stock one night when fordin' a river."

"I suppose the biggest got away," observed Tommy, sympathetically.

"You see," continued Jaggs, ignoring Tommy's interruption, "them islands is all cut up with creeks and rivers, and the native is reg'larly amphibious. They ain't what I'd call a moral acquisition, bein' out o' the latitude of the Ten Commandments, and mostly brought up to the pirate business. When they ain't goin' around doin' the expansion act, swipin' everything that is loose, they're loafin' around chewin' betel—"

"Chewin' beetles!" ejaculated the fireman.

"Betel-nut, o' course," corrected Tommy. "Did you think as they was a lot o' bloomin' entomologists?"

"When I was in the Sulu Islands," continued Jaggs, "blessed if I didn't feel like I was livin' in a roof garden; the houses was mostly built upon poles along o' the rivers, which was handy if a chap liked fishin', and wasn't so handy for thieves. There was one Manchester chap I know as has his warehouse built on piles over the river, thinkin' he'd struck a reg'lar burglar-proof combination, and blessed if the Sulus didn't used to come in a prahu (one o' their boats), steer in under the warehouse, bore holes through the floor, and run all his rice out o' the sacks into the boats afore he know what happened. He struck a scheme, though, as beat Pinkerton watchmen out o' sight—captured a couple o' big crocodiles and chained 'em up under the warehouse; if any thieves came prowlin' around them crocodiles had 'em on toast."

"Well, wouldn't that jar you?" exclaimed the Chicago fireman, admiringly.

"How did your Manchester friend tame the crocodiles so they'd recognize him?" asked the graduate. "I suppose he educated them so they'd follow him around like a dog."

"Not a bit o' it," said Jaggs, "crocodiles ain't domestic animals, and I don't tell you no snake stories as ain't on the dead. The Manchester chap had the crocodiles chained to a sort o' windlass, and when he want 'em out o' the way he just reel 'em in, like landin' a salmon. They're game, too; it takes science to play a 24-foot crocodile on a 2-inch cable."

There was a brief pause, during which the audience appeared to be gasping for breath, while Jaggs continued:

"Talkin' o' crocodiles, I reckon most o' you chaps has seen that there two-horned rhinoceros at the Zoo, with his misfit suit of clothes, but you ain't met that beast in a social way, mixed up in a tropical landscape. I ain't stuck on a tropical landscape myself. Well, as I was sayin', I was strugglin' through the jungle in Sulu huntin' for a giant Grammatophyllum, as the natives say has blue flowers as big as

sirup jugs, keepin' a sharp lookout for snakes, and tryin' to brush the tree leaches out o' my trousers, when I hear a cracklin' in the tall grass as makes me think some bloomin' menagerie has broke loose. There was a big tree handy, so I shins up it for a front seat. Slop in' along at a reg'lar canter I see a big rhinoceros, carryin' a man in his mouth like a bloomin' old tabby with a mouse!"

"What!" ejaculated the graduate. A vegetable feeder like the rhinoceros carrying off a man! What on earth should he do that for?"

"Blessed if I know," retorted Jaggs, cheerfully. "I s'pose if you'd been in my place you'd 'a' sent him your card and asked him would he please explain. Perhaps old rhino thinks as it's handy to have a man around the house. Anyway, there he goes. Right in his line o' march was one o' them elephant traps—a big pit with a few branches over the top, and I reckon as if old rhino does the McGinty act into that trap there won't be as much left of the chap he's carryin' as would go into a thumb pot. I generally has my wits about me, and I happen to be carryin' a coil o' rope with a slip noose. Just as old menagerie comes under the branch I was sittin' on, I drops the noose, catches the poor chap he carries around the shoulders, and jerks him up like a brook trout! The next minute old rhino was down in the elephant pit, makin' more noise than a woman's suffrage convention! I've often wondered what become of the chap I rescued, but I had to leave him along o' some friendly Sulus when I started off again. He was English, I reckon, leastways he never said thanks or nothink and carries a Sheffield-made corkscrew."

"Jaggs, my noble rescuer," exclaimed Tommy Atkins, rushing forward and enfolding Jaggs in an embrace which upset him into the peat bin, "for sixteen years I've been lookin' for the 'ero as saved me from that there savage rhinoceros. Jaggs, I was that man!"

CHICAGO.

The Market.

The market held up very well till last Friday when it went to pieces badly on all stock except of very superior grades. Strictly high grade still holds up fairly well but the poorer qualities have suffered sadly, no quotation, however low, being able to move them, and large lots have failed to realize anything.

The market is still swamped with lilies, but the supply is shortening somewhat and it is hoped that the worst of the glut has been experienced.

Outdoor bulbous flowers are arriving from the south and are affecting the values of greenhouse grown stock.

Bentley & Co. note a very good call for forgetmenot when well supplied with foliage, the florists using it as

green owing to the shortage of ferns, etc.

Kennicott Bros. Co. are receiving some remarkably fine pansies from Geo. Trowbridge, of Lake Geneva, who is making a specialty of pansies and violets.

A great curiosity seen at Kennicott's last Tuesday was a fasciated stem of the Bride rose bearing four fine blooms. It was sent in by Garland Bros., of Desplaines.

At E. C. Amling's we noted some Jubilee carnations from Mrs. Graves, of Richmond, Ind., tna' we believe were as fine as any ever produced. The stems averaged three feet in length and every flower was perfect. A vase of Triumph was nearly as good. This lady can certainly give other growers a few points on carnation growing.

Various Items.

The propagating houses at Lincoln Park, covering a space 200x100, are soon to be entirely rebuilt and new glass 60x100 added to the range. The space under the greenhouses is no longer to be used as a barn and the houses will be rebuilt on a lower level, the space underneath to be in future used merely for storage purposes in connection with the greenhouse department. The contract for the roof material has been awarded to John C. Moninger Co., this city, the Board accepting their details in full.

Last Sunday the first hardy flowers of the season showed themselves at Lincoln Park. They were Scilla sibirica and a few crocuses. The tulips have made marked growth during the past week.

Henry Romann has been arrested on the charge of planning to kill his former employer, John Schoepfle, the florist at 884 Bissell street. He wrote letters purporting to have been written by Mr. Schoepfle and drew up a bill of sale of the greenhouses, all of which are pronounced forgeries. The police hold that these acts were preliminary to the removal of Mr. Schoepfle by foul means so that Romann would come into possession of the property.

"German hyacinths" and "Greek roses" are now quoted at very reasonable figures.

We regret to have to report that Mr. A. McAdams is no better. The doctors now admit that the recent operation for appendicitis was a mistake and state that the trouble is due to an abscess on the liver.

Archie Spencer has something extra swell now on exhibition. It's a balloon.

Bassett & Washburn have removed to their handsome new quarters at 76 and 78 Wabash ave. E. H. Hunt has shifted his cut flower department around and A. G. Prince & Co. also have space here. The whole floor is now occupied by the wholesale cut flower men.

Mr. C. L. Washburn and family are

expected home next Saturday or Sunday from their outing in New Mexico.

Geo. Bartholomew has succeeded to the firm of Bartholomew & Cowdery at Mayfair. Chas. Cowdery will have a place of his own, also at Mayfair.

The Central Floral Co. will move a few doors from their present location on May 1.

McKellar & Winterson are handling the plant stands and silver fern dishes made by C. P. Lincoln, of Hartford, Conn.

The Florists' Club meets tomorrow (Friday) night.

Mr. E. G. Hill, Richmond, Ind., was a visitor last Saturday.

Bowling.

At a meeting of the Bowling Club last Friday evening arrangements were made for a prize handicap tournament of 24 games to be played during May, June and July, each one entering to play at least 16 games of the 24 to come in competition for the prizes. A committee has been appointed to arrange the handicaps, which will be based on previous records.

There will be two prizes, the first being a \$5 umbrella and the second a \$2.50 pair of bowling shoes.

The officers were instructed to secure and present to Mr. Geo. Asmus the medals won by him in the last series, and to also seek more satisfactory alleys.

Following are the scores and averages made during the evening:

	1st.	2nd.	3d.	Av.
George Asmus	169	159	174	167
A. Henderson	121	171	...	146
E. F. Winterson	134	146	153	144
Chas. Balluff	124	187	115	142
P. J. Hauswirth	103	140	155	133
G. L. Grant	98	133	130	123
James Hartshorne	100	115	131	115
C. Schweigert	95	106	135	112
A. Lange	96	123	...	109
W. Kreitling	107	109	...	108

NEW YORK.

Notable Table Decoration.

Some of the most extensive table decorations ever seen in the United States were those executed by Thorley for the Jeffersonian dinner, given by the Democratic Club at the Metropolitan Opera House, New York city, April 13. The tickets were \$10 each and there were over one thousand covers, each diner wearing a Bride rose boutonniere.

The tables, 34 in all, were arranged the full length of house and stage, and down the center of each table were placed great mounds of American Beauty roses; these were on green mossed boards 8 inches wide and from 3 to 7 feet in length, the green used being smilax and rose foliage. There were 150 of these centerpieces, and over 23,000 short-stemmed American Beauties were used in them. Handsome candelabra with rose-colored candles and shades and great white plaster swans, around whose necks were

attached immense bows of red, white and blue ribbons, their backs laden with all kinds of fruit, and tall, graceful epergnes filled with fantastic bonbons, broke the otherwise necessary formality of the decorations and added additional force to the general harmony of color.

Looking at these decorations from one of the balconies, one could not but be impressed by the grand effect and the magnitude of the undertaking. Great credit is due to those who had charge of it. It speaks volumes for the New York market when 23,000 short Beauties can be got for any particular job. There were never so many Beauties together before. It was a great "Feast of Roses." IVERA.

BUFFALO.

Business Conditions.

The ardent couples that postponed matrimony during the pious days of Lent seem to have made the adjournment indefinite, or perhaps they are waiting for June, for we have heard of but few, and those of a magnitude that will not disturb the flower market. The ruling style of weather is anything but propitious for transient shopping and the florist suffers accordingly. The three leading flowers are very much king, with the carnation in the lead. Bulb stuff since Easter has not been so plentiful and those who have good tulips for the next three or four weeks will get more for them than they did at Easter.

The New Carnations.

The chief event of the week was our annual reunion, election of officers and modest feast. Through the endeavors of W. F. Kasting the boys had an opportunity to view several of the fine carnations disseminated this spring, as well as some that are not yet sent out. The warmest kind of thanks were voted to these gentlemen who so kindly sent handsome bunches of their products: E. G. Hill sent a fine vase of America, grand scarlet flowers; W. N. Rudd sent along Pingree, Jubilee and Cerise Queen; C. W. Ward favored us with his pair of Cuban patriots, both Gomez and Maceo looking fine; F. Dorner & Sons Co. sent Crane, Bradt and White Cloud; T. A. Webb brought in good specimens of his scarlet Dorothy Sweet; Peter Crowe did not forget us and a big box of his 3-foot stemmed Bridesmaid and Bride roses adorned the tables. Mr. Stroh, of Attica, had a vase of a grand pink, brighter and better than Scott, a sport of the latter; George Fancourt's contribution was several fine vases of the standard varieties of carnations, and our local grower, C. F. Gunther, of Hamburg, exhibited some magnificent American Beauty and other roses. Perhaps I missed some exhibits, but I did not miss one variety, and left it to the last because all shows and entertainments should have the best for the

final, the gem of the performance, and that was 50 blooms of the matchless Marquis. If you want to ape the French pronounce it as if it were spelled "Markee." If you speak English or United States, pronounce it just flat Marquis. In size, form, color and stem it is perfect, and what is getting rare in large carnations, viz., fragrance, it has to the highest degree. No carnation of recent introduction has it to such perfection.

It was remarkable that many of our city florists did not have the brains, the energy, the pride in their business, or the common decency, to visit Mr. Kasting's place and view these flowers after they had been sent hundreds of miles to give them a dead-head show. Some were afraid their club dues would be demanded, others are under petticoat government, and it was "dangerous to meet that crowd, my dear." Others more saving than sensible calculated that the dollar they would earn by stopping home, added to the dollar they would spend, would buy a pair of rubber boots. Not so with the men who had to travel anywhere from ten to thirty miles; they came in like stalwart men who take an interest in keeping abreast with the times in their business. How is it our countrymen are leaders in all walks of life? The great men of our great cities are country-born lads. Our country supervisors are head and shoulders the peers of our city legislators, and our country florists are far better specimens than the city men. It must be their environments, their close touch with nature, and their elevating, intelligent work, the attention to their growing crops. What a difference in effect on character must be the virtuous emulation to grow by skill and close application the finest flower or plant, from the enervating, tricky trick of selling ten cents a dozen cheaper than your neighbor. There is too much electric light, trolley car, clam chowder, cigarette, and pool room about a big city to raise an all 'round man and we must forever look to the sequestered vale or rural hamlet to supply our cities with their great men. Excuse this diversion.

We were glad to see with us C. F. Gunther, of Hamburg; C. Hewson, of West Seneca; Thomas and William Mansfield, of Lockport; E. A. Butler, of Niagara Falls; W. G. Stroh, of Attica; E. S. Hampton, Springbrook, and several others from suburban localities. Mr. Harry Balsley and son happened in town that day and had a good opportunity to show and expatiate on the manifold advantages of his "semi-sub-watering violet and carnation bottomless pot." He will have eventually a more abbreviated and explanatory name for his invention, and when he adopts a suitable name I shall treat it with great respect.

Club Election.

The officers of the club for the year, and it is a year of some importance to

us, are: President, W. F. Kasting; vice-president, C. D. Zimmerman; secretary, William Legg; financial secretary, George Schmidt; treasurer, C. H. Keitch. A good lot of workers. When cigars were lighted and the ice cream swallowed, Mr. Kasting ably and earnestly thanked the members for their good will in making him president. He promised to be a good boy and work hard, and we feel sure that he promised no more than he will do. And then he introduced W. S. as toastmaster, who was both retrospective and prospective, impressing the members with what was before us in the coming carnation convention, saying that the exhibition to be held here in February next will not only be the greatest exhibit of carnations that this locality has ever seen, or this nation has ever seen, but that the world has ever seen. He did not trace the evolution of protoplasm up to higher organisms as on a recent date, but called on Mr. Legg to speak for the club, which he did in brilliant style.

There were several toasts, all getting a good response, some serious and earnest, other facetious, and here they are: "On Pastimes," C. Keitch; "Retail trade," S. A. Anderson; "The Commission Man," W. F. Kasting; "Art in the Business," D. B. Long; "The Man Who Keeps Us Warm," E. L. Cook; "The Pan-American," C. D. Zimmerman; "Our Visitors," Harry Balsley; "Our Suburbs," T. Mansfield; "The Ladies," W. A. Adams; "The Grower," Rudolph Boettger. Mr. Henry Buddenborg was asked to talk of the phases of our late Easter trade, but being a natural and vigorous talker as well as a philosophical one, he ramified into the fascinating subjects of the single tax, municipal ownership, political economy in general and kindred vital sociological subjects. But it was not all dry wind that wafted to our ears. A youth with a skillful touch of the zither and a splendid tenor voice sang lots of songs. Mr. Boettger gave us a melange of popular airs, and Tommy Coleman, a florist associate, sang several "bloomin' White Chapel songs, ye know."

Death of George Savage.

We have just received by wire this Monday night the sad news that Geo. Savage, the well known orchidist, of Rochester, N. Y., died this morning. He was known far and wide and will be greatly missed. W. S.

BOSTON.

Review of the Market.

The past week has been a continuance of the Easter reaction—in fact, business has been very dull and prices on all kinds of flowers are very much lower. The daily market has been almost devoid of buyers from the retail stores; the fakirs seem to be the only ones in the swim.

Roses are in over-stock and a good rose can be bought for \$2 per 100 to \$1.50 per dozen. Jacks run from 75 cents to \$1.50 per dozen; Beauties from \$4 per 100 to \$4 per dozen; Meteors, \$4 to \$5 per 100. Carnations, although not over plenty, also feel the depression. Common stock, \$1.50 to \$2 per 100, with some sales made at \$1; extras, from \$2 to \$3 per 100; strictly fancy, \$4 to \$5. Violets very slow, \$3 per 100 being an average. Lilies plenty; held at \$1 per dozen; callas a drug at 75 cents; valley, \$3 to \$4 per 100; bulb stock selling fairly well at \$3 to \$4 per 100.

The News.

The talk among carnation men is the Cincinnati exhibit, with conjectures as to whether the same results will happen at the February meeting in Detroit.

Owing to the backward season the seedsmen are complaining about the dullness of the seed trade. It will probably all come with a rush.

Mat. Rogers, for many years a dispenser of bulbous stock on Boston Market, died last week of pneumonia, having been sick only three or four days.

J. Austin Shaw and various bulb growers have been visitors this week. P.

ST. LOUIS.

Club Meeting.

The regular monthly meeting of the St. Louis Florists' Club was held Thursday afternoon, April 13, with President Sanders in the chair. The increased interest was shown by the large attendance. This being our annual rose meeting a large number of fine roses were on exhibition.

George M. Kellogg, of Pleasant Hill, Mo., showed a fine group of cut blooms consisting of Beauties, Perles, Bridesmaids, Brides and Meteors, which the judges considered very fine. The Hoffmeister Floral Co., of Cincinnati, had Maid of Honor on exhibition which undoubtedly was fine when shipped but suffered a great deal from the shipping. They were much admired. J. F. Ammann, Edwardsville, Ill., showed four vases, one each of Brides, Meteors, Bridesmaids and Perles; these were clean and well grown, especially the Perles, as Mr. Ammann is known as the king of Perle growers. Max Herzog's vase of mixed roses of Maids and Brides were well grown and fine, healthy stock, the same must be said of Frank Fillmore's fine vase. Julius Koenig, Jr., had a plant of Spirea superba on exhibition, sent him by G. Speelman & Son, which was a fine specimen.

Mr. Hodgeman addressed the meeting in regard to subscriptions from the florists for the St. Louis World's Fair and asked the chair to appoint a committee to solicit subscriptions among the craft. He also spoke for a

party of wealthy West End gentlemen, stating that they would give the Florists' Club from \$300 to \$500 to offer in prizes for the best kept back yards along the Suburban R. R., from Vandeventer to Union avenues, to be divided into three districts. The proposition was accepted. The chair then appointed a committee to serve on both of the above, which is as follows: Frank M. Ellis, J. W. Kunz, J. J. Beneke, R. F. Tesson, Emil Schray, and J. F. Windt. The committee is to go to work at once and report at the next regular meeting of the club.

Wm. Winter was elected a member of the club. Six members were dropped from the rolls for non-payment of dues. Julius Koenig, Sr., was reported very sick and a resolution was passed wishing him a speedy recovery. The next meeting of the club will be a miscellaneous flower meeting, which will be held Thursday afternoon, May 11.

Notes.

W. Van Zonneveld, of Holland, was in town last week.

Albert J. Bauer, once a prominent member of our Florists' and Bowling Clubs and President of the late Mound City Cut Flower Co., died Sunday afternoon, at 3 p. m., of pneumonia and Bright's disease, he leaves a widow, a sister of Mr. Chas. Fleckenstein. Funeral Tuesday morning at 10 a. m.

Will Adles is again in the employ of M. M. Ayers, on Grand avenue. Miss Theresa Badaracco was very busy last week, furnishing one of the largest weddings of the season. Max Herzog will soon begin building his new house for American Beauties. A visit to Max's place found everything looking in tip top shape, all roses clean and healthy and carnations the same. Mr. Herzog also has a fine house of smilax.

The Market.

Business in general was demoralized the past week by the sudden change to summer weather and the market is in a very unsettled condition. Stock of all kinds is very plentiful; roses in particular and they and carnations have become a glut which has been looked for for some time past. Prices have changed considerably and good Brides, Maids, Meteors and Carnations brought from \$2 to \$4; 1,000 lots, \$15 and \$20; Perles and Woottons even cheaper. In carnations there is no scarcity in any one variety; the colored sorts are more plentiful than the lighter shades, still the price was a little high; fancy stock brought \$3; good general stock \$2; common, \$1 and \$1.50; in 1,000 lots they were a little cheaper. Bulb stock is still very good and plenty of it, Dutch hyacinths, Romans, Paper Whites, tulips, valley and daffs are cheap and the demand fair. There are still a great many Harrisii and callas about and no reasonable offer is refused for them. California violets are abundant at 35 cents per 100; sweet peas not over



Geranium Little Pink.

plentiful at 50 cents. Smilax in good demand and brought as high as 25 cents per string; \$2.50 per dozen.

Bowling.

The Bowling Club rolled four games on Monday night and some very poor ones at that. E. W. Guy, of Belleville, being in town, rolled the first two games with us. The scores were as follows:

	1	2	3	4	Total	Av.
C. A. Kuehn	158	169	137	166	630	157½
C. C. Sanders	110	168	145	174	597	149
J. W. Kunz	156	145	107	140	548	137
Carl Beyer	127	159	101	147	534	133½
J. J. Beneke	116	143	113	116	488	122
F. J. Fillmore	105	98	129	124	456	114
E. W. Guy	155	138	...	...	293	146

J. J. B.

GERANIUM LITTLE PINK.

The accompanying engraving is from a photograph of a portion of a bench of plants of the new dwarf geranium Little Pink that originated with Mr. W. E. Hall, Clyde, O. It is a seedling from Mars and is very like its parent in habit, but the flowers are double pink and borne in the greatest profusion. The shade of color is very similar to that of the old variety Mrs. R. B. Hayes. This will undoubtedly prove a grand novelty in the Mars class.

ST. PAUL.

Since Easter we have had very fine weather, bright clear days and warm nights. All stock has been benefited by the change and the cut has increased. The growers have thrown out some roses and carnations to make room for bedding plants, consequently the demand for cut flowers exceeds the supply. Trade has been very good and there is a better feeling prevailing than for several years past. There has been a slight call for blooming plants since Easter, so that the few

carried over have been disposed of without loss.

Club Meeting.

The regular meeting of the Society was held at the Ryan Hotel, April 8. The attendance was lighter than usual. Gus. Monson, who had promised a paper on rose culture for the meeting was absent, so there was no regular paper for the evening. The Legislative committee reported the failure of the passage of the bill prohibiting the sale of flowers by state institutions, but reported prospects bright for the passage of the bill requiring all products of state institutions offered for sale to be plainly labeled grown by the name of the institution.

Notes.

The rebuilding of the old market house has caused the removal of several flower stands from that institution and will scatter the trade in bedding plants which has heretofore been done in and around the market.

Fred Schulze has opened a store on St. Peter street. Chas. Vogt, whose store in the market house building dates back ten or twelve years, has moved into a new location on Sixth and Market streets, a block distant from his old stand. The others who did a thriving business at the old market will undoubtedly find suitable locations.

L. L. May & Co. had a very creditable display of carnations the past week. Among other varieties we noted Bradt, Gold Nugget, Jubilee, Mrs. Joost and Mrs. Jas. Dean, any one of which surpassed the "Lawson," displayed a few weeks since, both in form, size, stiffness of stem and fragrance.

Trade with the Philippines has already opened up in the florist line, Messrs. Holm & Olsen having received

an order direct from Manila a few days since.

C. S. Ford, representing A. Hermann, was a caller the past week.

One of the grocery stores sold roses at 35 cents per dozen last week. We are rapidly becoming metropolitan in our customs and expect the Greek fakir next. However, we do not look for him until our growers produce enough for our home demands.

X. Y. Z.

OBITUARY.

George Savage.

George Savage, the noted orchid grower, died at his home in Rochester, N. Y., April 16, aged 54 years. Early in the winter Mr. Savage contracted the grip, which brought on heart trouble, and later developed cerebral spinal meningitis, which caused his death.

Mr. Savage was probably the most noted orchidist in this country and had a host of friends in the trade, who will deeply regret to learn of his death. Under his management the Kimball collection of orchids, of which he has had charge for the last fifteen years, attained world wide reputation, and some of the most remarkable hybrids in existence were produced by him at the Kimball conservatories.

Mr. Savage was born in England and his first position in this country was with Mr. Taplin, at George Such's, South Amboy, N. J. Later he took charge of this place, and it was from there he came to Rochester to build up the great orchid collection of the late W. S. Kimball.

Mr. Savage was a student and a man of wide information on all horticultural topics. He was a credit to the profession and his work in the field of orchid culture will long stand as a monument to his memory. He was laid at rest last Wednesday.

Mrs. J. B. Keller.

The wife of J. B. Keller, the veteran florist of Rochester, N. Y., died April 10. The many friends of Mr. Keller will be deeply grieved to hear of his bereavement.

ST. JOHN, N. B.

Easter, for which so much preparation had been made, has come and gone, and all florists are thoroughly well pleased with the trade done. There was an increased demand for cut flowers. Pot plants a drug, just the reverse of Christmas trade.

Prices ruled a shade on the better side. Harrisii and longiflorums were scarce and commanded good prices. Valley, palms, ficas, azaleas, spireas and all bulbous stock in excellent condition and sold well.

William McLean states supply not equal to the demand. H. S. Cruickshank: "More demand for cut flowers

than potted plants; everything sold splendidly." Mrs. W. H. Jones: "Supply scarce, not equal to the demand; great call for carnations; cut flowers sold first class." D. McIntosh: "Sold everything in sight; carnations scarce; roses in no way equal to the demand." Adam Shand was well satisfied with his first Easter in the commercial line; roses and carnations not equal to the demand; lilies commanded any price.

Several florists, outsiders, engaged stores just for the Easter trade in cut flowers and potted plants, but results were any way but satisfactory.

Superintendent Knott, of the Public Gardens, who has been laid up with the grippe, is again able to be around.

E. I. S.

GRAND RAPIDS.

Carnations are plentiful, except whites; roses also are in excess of the demand. All have plenty of lilies; bulb stock is about over, except pot hyacinths, which are being peddled about the streets on push carts and wagons.

Prices remain as last quoted. Two dry goods stores at their opening had a hardy rose sale to attract customers, hardy dormant roses in variety being offered at 10 cents each, three for 25 cents.

Ell Cross, for six years foreman for Crabb & Hunter, will hereafter be located at 118 Ashland avenue, this city. He will grow violets. His stock was given him by his employers, as an earnest of their good will and wishes for his success. He will be succeeded by B. B. Pohlman, formerly a foreman at Bassett & Washburn's.

A. L. Vaughan was a recent visitor.

GEO. F. CRABB.

STEEL FLOWER POTS.

Steel flower pots are a novelty introduced by an English firm. The larger sizes, such as 15-inch, are said to be only 25 per cent as heavy as clay ones of same size and cost but one-fourth as much. Breakage is of course impossible and the largest sizes are provided with removable handles. They are specially recommended for large pot shrubs, are used as permanent decorations around hotels, etc., as parasitic growth will not attach itself to the steel and evaporation is less rapid than with clay pots.

PLEASE SEND US a correct list of the names and addresses of the florists who receive their mail at your postoffice and thereby oblige.

TRY AN ADV. in the Review if you have any surplus stock to sell to the trade.

WANT TO SELL—To pay for digging. English Ivy, Blue and Red Spirea, 1-yr. field plants; also same from 2-in. pots. Canna Flamingo 4-in. pots. All very low. Ask quick for prices.

RONEY BROS., Florists, West Grove, Pa.
Mention the Review when you write.

GREEN-HOUSE CONSTRUCTION.

This has been a specialty with us for many years and to us is due the credit for many of the great improvements that have been made in the construction of wooden green-houses. To those that buy our

Clear Cypress Building Material

we furnish, free of cost, complete detail drawings from which any intelligent workman can put up the material correctly. We have plenty of time to write letters ABOUT OUR BUSINESS, and we will be glad to hear from those contemplating building.

Write for Circulars
or Estimates.

LOCKLAND LUMBER Co.

LOCKLAND, OHIO.

Mention The Review when you write.

...ROSES...

FROM 2½-in. POTS.

Bridesmaids per 100, \$3.00
Brides " 3.00

ROOTED CUTTINGS.

Bridesmaids per 100, \$1.50
Brides " 1.50

BASSETT & WASHBURN,

Greenhouses, HINSDALE, ILL.

76 Wabash Avenue, CHICAGO.

Mention the Review when you write.

M. RICE & CO.

NEW ILLUSTRATED CATALOGUE
FOR THE ASKING.

Exclusive Importers and
Manufacturers of

Florists' Supplies

25 N. Fourth Street, PHILADELPHIA, PA.

Mention The Review when you write.

Burpee's Seeds Grow

F. & F. NURSERIES, SPRINGFIELD, NEW JERSEY

Wholesale Growers TREES and PLANTS in Full Assortment.TRADE CATALOGUE FREE.

Mention The Review when you write.

DAGGER FERNS!

75 cents per 1000.

Ready for shipment May 1. Orders received by mail or telegraph and given prompt attention. Telegraph station, Owassa, Ala. Agents wanted in every city.

JOHN S. DAW, - - Gravelle, Ala.

Mention The Review when you write.

PRINCESS OF WALES VIOLETS....

About 3,000 large clumps capable of dividing into many plants, at \$3.00 per 100 clumps.

AMERICAN ROSE CO.,

WASHINGTON, D. C.

Mention The Review when you write.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

FOR SALE—Five 75-ft. greenhouses, situated in a town of 2,500 inhabitants, suburb of Chicago, one hour's ride to city. Greenhouses well stocked and good water supply; two lots 66x130 ft., barn, house and shed; houses are heated by hot water. We wish to sell because owner is dead. Buyer to take possession at once. Apply Mrs. A. H. Saxon, Downer's Grove, Ill.

WANTED—Rose grower, to take charge of section. Wietor Bros., 51 Wabash Ave., Chicago.

SITUATION WANTED—By young man, 5 years' experience in commercial work. Address J. J., care of Florists' Review.

SITUATION WANTED—By all-around grower as foreman, strictly temperate, good references. Address Roses, care of Florists' Review.

SITUATION WANTED—By active and thoroughly reliable young man, 3 years' experience in roses and ferns. Address J. Bockman, Pittville, Philadelphia, Pa.

WANTED—At once, a good all-around florist, a sober, honest, ambitious man, with some idea of landscape gardening. Answer, stating wages expected, W. M. Lott, Warren, Pa.

WANTED—A good all 'round man for general greenhouse work; must know roses and carnations and have some knowledge of design work; single and sober; moderate wages to start. Address Tennessee, care Florists' Review.

FOR SALE OR RENT—The Morton Grove Greenhouses, 14 miles from Chicago; 27,500 feet of glass; 11 houses 20x100, 2 houses 6x100; 2 acres of ground with dwelling house; plant is complete and in first-class order, having been rebuilt last year; well stocked with plants; present owner engaged in another business. Might be willing to form partnership with a first-class grower with some cash. For full particulars apply to P. Kreismann, 27 Market street, Chicago.

FOR RENT OR SALE—First class retail stand, 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

SITUATION WANTED—A first class florist and decorator, at present employed by one of the most progressive and up to date florists in the country, wishes to make a change. Full particulars may be had by addressing G. W., care of Florists' Review.

SITUATION WANTED—A young man, 21 years of age and single, desires employment in or near Philadelphia, in greenhouses or cut flower store; 7 years' experience as assistant in greenhouse and cut flower store. A full statement given in what he is most experienced and what he is capable of doing, very best of reference. Address H. C. H., care of Florists' Review.

EXCEPTIONAL OPPORTUNITY

FOR SALE. To the right man an exceptional opportunity is offered. My store doing fine trade in one of the best locations in Chicago, will sell at a bargain. Have other business. No triflers need answer; parties meaning business only. Address 40, care Florists' Review.

BUSINESS OPPORTUNITY. A rare opportunity is open to a hustling business man with some capital to get into a well established and profitable business. A chance of a life-time. Those meaning business may obtain particulars by addressing

ROX, care of Florists' Review.

Exeter Boiler Sections. Any one using Exeter Boilers can purchase from us, at a very low price each, one hundred and twenty second-hand Sections in perfect order.

American Rose Co., Washington, D. C.
Mention The Review when you write.

ROSES, CANNAS, MUMS, ETC.

Strong 2 year Field Grown H. P. Roses in large assortment, \$10.00 per 100.

Strong 2 year Field Grown Moss Roses, large assortment, \$9.00 per 100.

Strong 2 year Field Grown Climbing Roses in assortment, \$5.00 per 100.

Strong 2 year Field Grown Crimson Ramblers \$15.00 per 100.

Strong Field Grown Wichuriana (Merimorial Rose), \$4.00 per 100.

300,000 2½ inch pot plants, Tea and Everblooming, in large assortment, \$2.50 per 100, \$20.00 per 1000. Hybrid Perpetual, 2½ inch pots, \$4.00 per 100, \$35.00 per 1000. Climbing, 2½ inch pots, \$3.50 per 100, \$30.00 per 1000. Clotilde Souper (Strong), \$3.00 per 100, \$25.00 per 1000. Mosella (Yellow Souper), \$3.00 per 100, \$25.00 per 1000.

NEW GERANIUMS Bruant's recent introductions. 10 Splendid New Doubles, the set for Bruants, the set for 80 cents. 3 Splendid New Aureole Section, the set for 50 cents. Geraniums, Standard Varieties, \$3.00 per 100, \$20.00 per 1000.

CANNAS All the Best New and Standard Varieties. President Cleveland, best bright scarlet for massing, \$6.00 per 100. Duke of Marlborough, President McKinley, Tarrytown and Robert Christie, \$10.00 per 100. Chicago, Souv. de Antoine Crozy and President Carnot, \$4.00 per 100. Mrs. Fairman Rogers, Queen Charlotte, Mad. Crozy, F. Vaughan and A. Bouvier, \$3.00 per 100, \$25.00 per 1000. Cannas, our selection, all good standard varieties, \$2.00 per 100, \$15.00 per 1000.

EULALIAS strong clumps, Japonica Zebrina, Japonica Variegata and Gracilis Univita, \$5.00 per 100.

CHRYSANTHEMUMS Choice collection of best market varieties, including best of last season's introductions. \$3.00 per 100, \$25.00 per 1000.

DAHLIAS, whole roots, field grown, \$7.00 per 100, \$60.00 per 1000.

AMPELOPSIS VEITCHII, strong two year field grown, \$8.00 per 100.

CLEMATIS, three years, Jackmanii, Henryi and other large flowered varieties, \$25.00 per 100.

For full assortment of greenhouse stock write for Florists' Wholesale Price List No. 5. If in want of Ornamental or Fruit Trees, Shrubs, Vines, Small Fruits, etc., see our Nurseryman's Trade List, or write us for prices.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention The Review when you write.

Ampelopsis Veitchii

2-years, fieldgrown,	Per 10	Per 100	Per 1000	2-years, fieldgrown, No. 2,	Per 10	Per 100	Per 1000
No. 1,	X, \$1.00	\$7.00	\$60.00	No. 3,	\$.60	\$5.00	\$45.00
	.80	6.00	50.00		.50	4.00	30.00

CLEMATIS PANICULATA.

XX, very heavy,	Per 10	Per 100	Per 1000	Plants from 2-inch pots,	Per 10	Per 100	Per 1000
Strong plants, out of pots,	\$1.20	\$10.00	\$100.00	DWARF Box,	\$.50	\$3.50	\$30.00
	.60	5.00	50.00		2.50	20.00	

Small stock for transplanting. Shade trees in quantity. Send for our wholesale list.
THE ELIZABETH NURSERY CO., - - - ELIZABETH, N. J.
Mention the Review when you write.

1899 CONTRACTS 1899

Now I am open to quote prices on all Bulbs, Plants and Roots for next season. Send in your list of wants for quotations.

F. W. O. SCHMITZ, JERSEY CITY, N. J.

Mention The Review when you write.

THE FLORISTS' MANUAL

Price, \$5.00

...BY...

WILLIAM SCOTT.

WILL BE READY FOR DELIVERY IN JUNE.

It will cover the whole field of Commercial Floriculture, the articles arranged alphabetically, encyclopaedia style, so reference may be quick and easy. It will be a whole library in itself, and will tell you just what you want to know in just the way you want to be told. It will be the standard work of reference for the trade.

SEND IN YOUR ORDER NOW. Payment need not be made until book is ready.

FLORISTS' PUBLISHING CO., 520-535 Caxton Building, CHICAGO.

E. H. HUNT
THE "OLD RELIABLE" FOR
**Wholesale
Cut Flowers**
Hunt's Flowers Go Everywhere.
76 Wabash Ave. CHICAGO.
Mention the Review when you write.

OUR PRIZE COMPETITION.

Auburn, N. Y., Apr. 15th, 1899.
Florists' Review Pub. Co.

Dear Sirs: I beg to acknowledge receipt of your check for \$25.00, for first prize, and I wish to thank you many times for it. It will be a great help to me, as I have been sick most all winter.

Again thanking you, I remain
Yours very truly,
WM. G. DOBBS.

Avondale, Pa., Apr. 15, 1899.
The Florists' Pub. Co., Chicago.

Gentlemen: I acknowledge the receipt of the premium in prize competition. Please accept my thanks. I think the competition has been very beneficial and we have all learned a great deal that should be useful to us.
Yours truly,
W. R. SHELMIRE.

DES MOINES, IA.—The elaborate Easter display in the new down-town store and conservatory of Mr. I. W. Lozier attracted crowds of visitors and Mr. Lozier reports a very heavy Easter trade. An elegant new delivery wagon is described by a local paper as the finest floral rig in the state. The store is in charge of Mr. Alfred G. Lozier.

FRANKLIN, TENN.—Truett Bros. will this spring build three houses, one general plant house 20x75, a rose house 16x50 and a carnation house 12x50.

MARION, IND.—F. W. Herleman has moved to his new place, 2816 South Boots street.

IF YOU HAVE anything to sell to the trade, offer it in an adv. in The Review.

Max Randall

WHOLESALE FLORIST,
11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.

Mention The Review when you write.

REINBERG BROS.
Wholesale Growers of
Cut Flowers
We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine
AMERICAN BEAUTIES.
51 Wabash Ave., CHICAGO
Mention The Review when you write.

500,000
FEET
OF
GLASS.

No
charge
for
packing.

Wholesale Price List.

AMERICAN BEAUTY			
Extra long stem..per doz.	\$3.00 to	\$4.00	
24-inch stem.....	2.50		
20 " " " " " "	2.00		
15 " " " " " "	1.50		
12 " " " " " "	1.25		
8 " " " " " "	1.00		
METEOR.....per 100,	3.00 to	5.00	
BRIDESMAID.....per 100,	3.00 to	5.00	
BRIDE.....per 100,	3.00 to	5.00	
PERLE.....per 100,	3.00 to	5.00	
CARNATIONS.....per 100,	1.50 to	2.00	
" " " " " " fancy.	2.50 to	3.00	
Valley.....per 100,	3.00 to	4.00	

Quotations subject to change without notice.
All other stock at lowest market prices.

Bassett & Washburn
88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of **CUT FLOWERS**
and Dealers in

Greenhouses at Hinsdale, Ill.

Mention The Review when you write.

Lynch
WHOLESALE FLORIST.
19-21
E. RANDOLPH ST.
CHICAGO

Our prices are as low as any
and our stock superior.
We ask for a trial order.

Mention The Review when you write.

A. L. RANDALL
Telephone 1496
Wholesale Florist
4 Washington St., Chicago.

In our new and enlarged quarters we are better prepared than ever to handle your orders.
Mention The Review when you write.

WHOLESALE DEALER IN
GROWER OF ROSES. CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.
Mention The Review when you write.

**Cincinnati
Cut Flower Co.**
416 Walnut St. Wholesale Florists
CINCINNATI, O.
Consignments Solicited.
Special Attention Given to Shipping Orders.
Mention The Review when you write.

C. A. KUEHN WHOLESALE
FLORIST
Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral Designs. A full line of supplies always on hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.
Mention Florists' Review when you write.

H. G. BERNING,
(Successor to
St. Louis Cut Flower Co.)
WHOLESALE
FLORIST,
1322 Pine Street,
ST. LOUIS, MO.
Mention The Review when you write.

ELLISON & TESSON,
WHOLESALE SHIPPING
FLORISTS
3134 Olive Street, ST. LOUIS, MO.
...Home Grown Stock...
Mention The Review when you write.

**Maplewood Cut Flower and
Plant Co.** GEO. M. KELLOGG, Pres.
Growers of **CUT FLOWERS** at Wholesale.
Regular shipping orders given special attention. We have the largest plant west of Chicago.
Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.
Mention The Review when you write.

ORCHIDS....
Laelia Anceps Alba,
Just arrived in fine condition.
L. Anceps and L. Autumnalis expected shortly.
Lager & Hurrell, Importers.... Summit, N. J.
Mention The Review when you write.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES,
42 and 44 Randolph St., Chicago, Ill.

Long Distance Telephone Central 466.

CARNATION WHITE DAYBREAK.

This is the fine white sport of Daybreak that originated with Mr. P. M. Broadbeck. We have sold the flowers for several years and know it to be a good thing, and a money-making sort for the grower. Mr. Broadbeck is now prepared to disseminate it. Orders may be sent to us or direct to Mr. P. M. Broadbeck, Cullom and Clark Sts., Ravenswood, Chicago.

**Rooted Cuttings,
\$12.00 per 100.**

**ROOTED CUTTINGS AMERICAN BEAUTY,
1000 ONLY. PRICE \$50.00**

WHOLESALE PRICE LIST.

SUBJECT TO CHANGE WITHOUT NOTICE.

We always ship Extra Select or High Grade Goods unless otherwise ordered.

P. and D. at cost.	Price per 100	P. and D. at cost.	Price per 100
American Beauties, medium	\$10.00	Harrisii	\$8.00 to \$8.00
" " fancy, fair length	15.00 to 18.00	Callas	8.00 to 8.00
" " fancy, long stem	30.00	Violets, fine	.30 to .60
Meteors, extra select	\$4.00 to 5.00	Valley	4.00
Brides, Maids, extra select	4.00 to 5.00	Romans	4.00
Brides, Meteors, Maids, good average	3.00 to 4.00	Narcissus	1.00 to 2.00
Perles, extra select	2.00 to 3.00	Smilax	18.00 to 20.00
Roses, our selection	2.00	Adiantum	1.00
Carnations, extra select	1.50 to 2.00	Asparagus, per string	.50 to .65
" good average stock	1.00 to 1.50	Galax	1.50 per 1000 .20
" White	1.00 to 2.00	Common Ferns	40c
" our selection	1.00		

Above prices are subject to change without notice. All flowers in season at lowest market rates. **FLORISTS' SUPPLIES and WIRE WORK a specialty.** On Wire Goods we can discount our own or any other list. Write for particulars. Our store open week days until 6:30 P. M.; Sundays and Holidays until noon only.

Mention the Review when you write.

The Imperial Violet.

Number of plants in full bearing, 2,970	
No. of No. 1 Violets picked in October	30,500
" " " " November	38,500
" " " " December	39,000
" " " " January	23,595
" " " " February	33,500

Average per plant of No. 1 blooms, almost 57

Isn't this a pretty good record? And for these I received from \$2.50 to \$1.00 per 100. Can you equal this? And the plants are still throwing as many flowers, if not more than ever.

I cannot begin to supply the demand for this superb violet; the way things look now, I shall not be able to supply the demand for rooted cuttings. If you get left, you will only blame yourself. My new book on Violet Culture goes with every order for cuttings.

The violet is the largest, most double, longest stemmed, color so dark as to look almost artificial; healthy; and as the record shows, a very free bloomer. The parent plant of this magnificent variety gave me 118 of the finest flowers you ever saw.

Price per 1,000... **\$90.00** Per 100... **\$10.00**
 per 500... **45.00** Per dozen... **1.50**

Rooted Cuttings will be delivered as the weather will permit. Now ready, about 5,000. Address

W. L. MINOR, 588 Belmont St., BROCKTON, MASS.

Mention the Review when you write.

ANTON SCHULTHEIS, P. O. Box 78... College Point, Queens Borough, N. Y.

HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity

Come, see Ericas (Heather), also Full Line of Other Flowering Plants and convince yourself. Price List on Application.

Mention The Review when you write.

CLEMATIS.

Large flowering, either dormant or growing in pots, strong, healthy, home-grown plants, 10 leading sorts, \$2.50 per dozen, \$20.00 per 100.

Downing Gooseberry, 25,000 1 and 2 yr., very low. H. P. Roses, leading kinds... \$1.50 doz., \$10 per 100

Monthly Roses, 4-in., fine plants } 1.00 " 8 "

Pæonies, best market sorts... 1.25 " 8 "

Smilax, strong, fine plants, 8-inch... 2 " "

F. A. BALLER, Bloomington, Ill.

Special Offer.

200 Irish Juniper, 3 to 4 ft... 9 cents each
 400 " 2½ to 3 ft... 7 " "
 400 " 2 to 3 ft... 5 " "

Stock strictly first-class, carefully dug and handled

C. L. LONGSDORF, Floradale, Pa.

Ornamental Shrubs.

HERBACEOUS PERENNIALS.

A specialty of Iris, Phlox, Pæonies, Pyrethrums, Poppies, etc. Wholesale List on application.

JACOB W. MANNING,

The Leading ESTABLISHED 1864. New England Nurseryman. READING, MASS.

Mention The Review when you write.

Asparagus Plumosus Nanus.

1000 Asparagus Plumosus Nanus, 4-in. pots, \$15.00
 1000 " " " 5 " 18.00
 200 " " " 7 " 25.00
 800 " " " 8 " 35.00

Asparagus Seed, home grown, \$1 per 100, \$9 per 1000

Write for prices on Carnation Cuttings.

W. F. Kasting, 495 Washington St. Buffalo, N. Y.

Mention The Review when you write.



FIRST QUALITY... Dagger Ferns.

\$1.50 per 1000; Fancy, \$2.00 per 1000. Galax Leaves, bronze or assorted, \$1.00 per 1000. Laurel Festooning, \$5.00 per 100 yards.

Fine bunched Laurel, 50 cents per bunch. All orders by wire or mail promptly filled.

CROWL FERN CO., 27 Beacon St., BOSTON, MASS

Mention The Review when you write.

GOLD FISH and AQUARIUM SUPPLIES.

KEENAN'S SEED STORE. 6112 and 6114 Wentworth Avenue, CHICAGO

Mention The Review when you write.

THE HARRISII DISEASE can be prevented by immersing the bulbs for 5 hours in a half solution of

Kraft's Plant Tonic

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills Hard Shelled Scale, Mealy Bug, and other insect pests without injury to the plant. Send for circular.

KRAFT PLANT TONIC CO. Rockford, Ill.

Mention the Review when you write.

TELEGRAPH CODE.

In telegraphing orders to any of the wholesale dealers in cut flowers use the following code:

Assume—Do not answer if cannot fill order.
Abrogate—In case you cannot fill order, telegraph at once.
Anticipate—Answer at once, stating whether you can or cannot fill order.
Ambition—If you can only partially fill order, do so, and reply, stating what.
Admiral—Order must be sent on train mentioned only.
Ambulance—Want all of order filled or none, and prompt answer back.
Adjacent—If cannot send on train mentioned, next one will do.
Affable—Send prepaid by baggage master, if no express messenger on train.
Decorate—If cannot send all on train mentioned, send all you can, and send balance on next train.
Admission—This order is a substitute for my regular order.
Dancing—If cannot fill order exactly as specified, you may substitute according to your best judgment.
Ancestor—This order is an addition to my regular order.
Durable—Colored flowers must not be substituted for white.
Affection—Fill if possible, even at extra expense.
Fabricate—Flowers ordered are to be re-shipped to a distance, therefore buds must be cut specially close.
Fortunate—Select extra stock and charge accordingly.
Devotion—For cheap work, and can use second-class flowers, if at reduced price.
Flattery—If price has advanced since last quotation, do not send goods, but telegraph.
Forgery—This order countermands all previous orders.
Formation—Add these items to the order which you already have, but in case first order is already shipped, cancel this addition.
Flamingo—We are in a bad pinch; send us something to help us out, even if of poor quality.
Flocking—Have sent mail order; if not yet received, send following at once, and cancel mail order when received.
Foraging—This order includes all items previously ordered and wanted for this date.
Superior—Can use something especially fine, and am willing to pay accordingly.
Skip—If you are out, buy the best you can; we accept risk of getting "pickled" stock.
Corporal—If cannot send on night train, morning train will do.

**THE CODE BELOW WILL BE USED
IN ANSWERING YOU, WHEN
NECESSARY.**

Elope—Cannot fill your order to-day. Stock is scarce. Have tried to buy at other houses for you.
Lecture—Our store was closed yesterday when your telegram came. Received it this morning. Will ship by first train to-day, unless countermanded at once.
Willing—Cannot ship on train mentioned. Will send on next train possible to-day.
Eclipse—Will send part of your order. Balance scarce. Cannot get it at any price to-day.
Artistic—Cannot fill order to-day, if you want order filled (same order) to-morrow, wire us at once.
Favorite—Stock very poor, none better to be had. Will ship unless countermanded by..... o'clock.
Fundament—Stock named in this telegram has been sent, and balance, unless countermanded by telegram, will be sent on.....

WE HAVE RECEIVED a copy of the annual catalogue of Purdue University, Lafayette, Ind., where Dr. J. C. Arthur, now well known to the trade through his investigations of matters of special interest to the profession, is professor of vegetable physiology and pathology. Dr. Arthur is also botanist of the Government Experiment Station in connection with the university. The courses in the School of Applied Science of the university, in which Dr. Arthur is an instructor, cover biology (including botany and zoology), chemistry, physics and sanitary science.

OTTAWA, ONT.—Mr. C. Scrim has opened a branch store at 116 Sparks street.



WHOLESALE GROWERS OF Cut Flowers

51 Wabash Avenue, Chicago.

We Are Headquarters for...

AMERICAN BEAUTIES,
of which we cut from 2,000 to 3,000 daily. Our **Brides, Meteors, Maids and Perles** were never better.

OF CARNATIONS
we grow 50,000 plants of all the leading varieties, and they cannot be surpassed.

Mention The Review when you write.

DAHLIAS

By the
Tens
of
Thou-
sands.



My prize winners carried off the highest National honors yet awarded the Dahlia—a diploma and gold medal at the Omaha Exposition. Get my catalogue before ordering elsewhere.
Box 382. W. W. WILMORE, Denver, Col.
Mention The Review when you write.

Hardy Perennials.

	Per 100
Clematis Davidiana, strong, 1 year	\$6.00
Eulalia Gracillima Univittata and Jap. Variegata	4.00
Funkia Alba	4.00
Hemerocallis flava	4.00
Hollyhocks, double, separate colors, per 1000, \$40.00	5.00
Helianthus Multiflorus Plenus and Soliel d'Or	4.00
Hibiscus, Crimson Eye	5.00
Iris Germanica	2.50
Perennial Phlox, fine collection	5.00
Pinks, strong clumps	5.00
Paeonies	8.00
Rudbeckia Golden Glow, per 1000, \$30.00	4.00
Spirea Polmata Elegans	4.00
Yucca Filamentosa, 2 years	8.00

All of the above are strong, field-grown stock.

VICK & HILL CO., ROCHESTER, N. Y.

Mention The Review when you write.

SMITH'S FAVORITE

This Geranium is a sport from the Prince Charles. It is a great bloomer, having double flowers, variegated and very pretty. The stem is from 4 to 6 inches long. I have cultivated it for three years. I have somewhere between 600 and 800 plants. I think there is none other like it in the United States. The flower will last as long as Carnations after being cut. I now offer them for sale for the first time, 3 at the dozen rate. Rates, \$6.00 per dozen. Cash with order.

E. SMITH, NORTH STARK ST. GREENHOUSE. Waterloo, N. Y.
Mention The Review when you write.

REGULAR SHIPPING ORDERS RECEIVE
SPECIAL ATTENTION.

WILFORD BROS.

WHOLESALE PRICE LIST.

	Per doz.
Am. Beauty, extra long stem	\$3.00 to \$4.00
" 24-in. stem	2.50
" 20-in. "	2.00
" 15-in. "	1.50
" 12-in. "	1.25
" 8-in. "	1.00
Meteor	per 100, 4.00 to 5.00
Bridesmaid	" 4.00 to 5.00
Bride	" 4.00 to 5.00
Perle	" 3.00 to 5.00
Carnations	" 1.50
" fancy	" 2.50 to 3.00
Roman Hyacinths	" 3.00
Valley	" 3.00 to 4.00

All other stock at lowest market prices.
No charge for packing.

Some Things You Want....

AGERATUM, blue and white dwarf,	Per 100
covered with Cuttings, 500, \$5.00	1.50
HARDY PHLOX, 10 distinct varieties, 2-in. pots	2.50
FUCHSIAS, 6 varieties, 2-in. pots	2.00
GIANT PEARL MARGUERITE, 2-in. pots	2.00
RUDBECKIA, 3 1/2-in. pots	4.00
STATICE ARMERIA, 3 1/2-in. pots	3.00
BEGONIAS, 6 varieties, 2-in. pots	2.00
ACHILLEA, the Pearl, 2-in. pots	2.00

Enough extras added to more than pay expressage. **Cash, please.**

EDWARD B. JACKSON, Stamford, Conn.

Mention The Review when you write.

PEACOCK'S New Dahlias

For 1899—Best New Varieties.
—Best Old Varieties.

Send for our New Illustrated Trade List before ordering elsewhere.

Peacock's Dahlias always received highest awards over all competitors. Forty-six first prizes out of forty-nine entries during past four years—an unequalled record.

Best New and Standard Carnations

Beautifully illustrated and accurately described in our Trade List. Send for copy.

Surplus Stock of Mixed Dahlias

At right price. Also Dahlias under color.

Correspondence Solicited.

W. P. PEACOCK, - Atco, N. J.

Mention The Review when you write.

WE WOULD LIKE very much to have a complete and accurate list of the names and addresses of the florists of America and to this end will ask each subscriber to kindly send us an accurate list of those in the trade in his or her city or town. By complying with this request you will confer a great favor on the publishers.

Always Mention the....

Florists' Review

When Writing Advertisers.

SOCIETY OF AMERICAN FLORISTS.

Plant Registration.

The American Rose Company, Washington, D. C., registers the new rose Ivory, a sport from Golden Gate; color, ivory white.

WM. J. STEWART, Secretary.

DENVER, COLO.

The following scores were made by the Florists' Bowling Club on the 12th inst.:

	1	2	3	4	5	Av.
Chas. Mauff	200	223	136	...	...	186
John Ferris .....	...	168	200	169	175	183
George Brenkert	160	146	171	166	208	170
J. N. Jakobsen	129	188	187	161	185	170
John Berry	161	172	166	168	158	165
A. E. Mauff	149	136	185	133	155	151
Robt. Kurth	121	132	153	191	126	144
Chas. Thiess	147	161	128	150	136	144
Chas. Meyer	151	181	143	125	101	140
G. Scott	105	99	118	137	122	116

J. B.

GERMANTOWN, PA.—Mrs. M. Mergenthaler will build two greenhouses, each 20x125, at her residence in East Washington Lane.

100,000 Rooted Violets

AT A BARGAIN.

	Per 1000
Princess of Wales, strong rooted cuttings...	\$ 5.00
California, " " " "	5.00
La France, " " " "	10.00
Ebles Giant, the greatest single violet in cultivation, strong rooted cuttings...	7.50
Lady Hume Campbell, " " " "	5.00
Marie Louise, " " " "	5.00
Farquhar, " " " "	5.00

Write for prices on potted plants.
All sizes in stock.

THE VIRGINIA FLORAL CO.,

C. & O. R. E.

Lindsay, Va.

Mention The Review when you write.



Palms and Ferns

The Largest Stock of
Plants in the West.

Send us your name
and we will keep you
posted when we have anything special to offer.

GEO. WITTBOLD, 1708
N. Halsted St. CHICAGO.

Mention The Review when you write.

H.W. BUCKBEE Seed Specialist,

Rockford Seed Farms.

Forest City Greenhouses.

Lock Box 911.

ROCKFORD, ILL.

Special Prices Upon Application.

Mention The Review when you write

The Cottage Gardens,

C. W. WARD, QUEENS, L. I.
Manager.

WHOLESALE GROWERS

FLORISTS' SPECIALTIES.

Mention the Review when you write.

Always mention the Florists' Review when
writing advertisers.

McKELLAR & WINTERSON,

Wholesale Florists,

45-47-49 Wabash Avenue.

CHICAGO.

OUR SPECIALTIES:

We have the
LARGEST WHOLESALE
House in Chicago.

Orchids, High-Grade Roses,
Carnations and Violets.

Full Line FLORISTS' SUPPLIES, Seeds, Bulbs, Hardy Stock.

Mention The Review when you write.

BENTHEY & CO.

F. F. BENTHEY,
Manager.

Wholesale and Commission Florists,

41 Randolph Street,

...CHICAGO.

Consignments
Solicited

Mention The Review when you write.

Chrysanthemums

Our collection of Novelties for '99
is very complete, including

INDEPENDENCE, the earliest white,
MRS. FRED L. BUTTON, the early
white from California,
and YELLOW IVORY,
as well as all others.

Also a full line of STANDARD VARIETIES.

For description see our catalogue,
free on application.

NATHAN SMITH & SON,
ADRIAN, MICH.

Mention The Review when you write.

Hardy Plants.

	Per 100.	1000.
Helianthus giganteus	\$3.00	\$20.00
Clumps..	6.00	50.00
Helenium aut. superbum	3.00	20.00
Clumps..	6.00	50.00
Boltonia Latisquamae	3.00	20.00
Clumps..	6.00	50.00
Veronica l. subaequalis Ex. }	6.00	50.00
Clumps.....		

250 at 1000 rate. Send for list.

REA BROTHERS, - Norwood, Mass.

Mention The Review when you write.

Brilliant Green and Bronze

GalaxLeaves

CHAS. H. RICKSECKER, Linville, Mitchell Co. N. C.

Mention The Review when you write.

Always mention the Florists' Review when
writing advertisers.

Wholesale Price List.

	Per 100
Beauties, long.....	\$18.00 to \$25.00
" medium..	10.00 to 15.00
Maids, Brides, Me- teors.....	8.00 to 5.00
Perles.....	2.00 to 4.00
Carnations, long....	.75 to 1.00
" fancy ..	1.50
" fancy sorts	2.00 to 4.00
Harrisii.....	5.00 to 6.00
Callas	5.00 to 6.00
Violets .....	.50 to .75
Valley	3.00 to 4.00
Daffodils	2.00 to 3.00
Tulips	2.00 to 4.00
Marguerites .....	.50 to .75
Smilax.....	20.00 to 25.00
Adiantum	1.00
Asparagus.....	50.00 to 75.00
Common Ferns.....	.25

BABY PRIMROSE.



The newest thing for
Easter Blooming.

Flowers in thumb pots;
grows rapidly, 6-in. pot,
carry 50 to 100 sprays of
rosy flowers, 12 to 18 in.
long; lasts 4 weeks when
cut and wholesale at \$2
per 100; grows finely in
cool house; perpetual
bloomer. 12 for \$1.50,
\$10 per 100, express
prepaid.

New Fragrant \$1000
CALLA.

Very dwarf and free
bloomer, has the fra-
grance of violets and
lilies, \$1 and \$2 per 12,
\$6 and \$12 per 100,
mailed.

Asparagus Sprengeri.
2-in., 24 for \$1.50, mail-

ed; \$4 per 100, express. 3 1/4-in., 24 for \$2.50, mailed
\$7 per 100, express.

A. BLANC & CO., Philadelphia.

Mention The Review when you write.

ROSES... 50,000 Dormant. OWN ROOTS, FIELD GROWN.

IN COLD STORAGE, CHICAGO.

Leading varieties Hybrid Perpetuals, No. 1,
cut back to 24 to 30 inches, 3 or more branches
\$75.00 per 1000. Hardy Climbers and Mme. Plan-
tier, \$35.00 per 1000. Marechal Neil, \$75.00 per 1000.
Yellow Rambler, \$50.00 per 1000. Some varieties,
one size smaller, at special prices.

List of varieties upon application. Address—

W. F. HEIKES, MANAGER,
1308-1310 Unity Building, CHICAGO, ILL.

Mention the Review when you write.

Always Mention the....

Florists' Review

When Writing Advertisers.

SAMUEL S. PENNOCK, Wholesale Florist

OPEN DAY AND NIGHT—From 12 A. M. Mondays to 10 P. M., Saturdays.

A constant supply of SELECT VALLEY the year round. 1612-14-16-18 Ludlow St., Philadelphia, Pa.
AMERICAN BEAUTIES OUR SPECIALTY.

Mention the Review when you write.

PITTSBURG CUT FLOWER CO., Ltd. WHOLESALE FLORISTS.

Long Distance
Phone 2157.

CONSIGNMENTS SOLICITED.

No. 705 Penn Avenue,
PITTSBURG, PA.

FLORISTS' SUPPLIES.

Write for Price List.

Mention The Review when you write.

TROPHY FOR THE GUN CLUBS.

At the meeting of the American Carnation Society in Philadelphia last February, Mr. John Westcott announced that the Lockland Lumber Co. would furnish a suitable trophy for the Gun Clubs. We are pleased to be able to now present the rules under which the trophy will be competed for at the conventions of the S. A. F.

Each team to consist of six members, one of whom shall serve as captain.

Every member of each team to be a member in good standing of S. A. F. & O. H. and if not a florist, be engaged in some line of business that is related to the florist business.

All members of teams must be amateur shooters; professional shooters are barred.

The first contest will be at Detroit, Mich., in August, 1899, during the convention; and subsequent contests at subsequent conventions until the same club shall win the trophy twice, when it shall become their property.

The captains of teams winning the trophy but once to deliver it in good condition at next convention, or see that it is so delivered.

Members of teams need not all be from the same city, but two men from one place, or two members of any local florist club, may associate with themselves four others from another place, or other places, and thus form a team.

On every team that contests for the trophy after having once won it there must be at least two members of the original team, one of whom to act as captain.

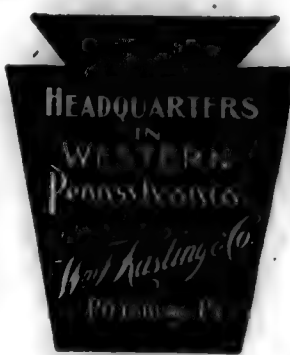
Each man to shoot at at least twenty-five targets.

Contests to be according to the revised rules of the American Shooting Association, if no other rules are made by the majority of the captains of the different teams.

AND NOW a Boston newspaper man, who is also connected with an advertising agency, is said to have pulled the wires that resulted in such a flood of publicity for the Lawson carnation.

ROSES,
Carnations
VALLEY
FERNS,
GALAX, and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

Consignments of
good stock
solicited.



We get
daily new
customers
because
we have
the
reputation
that
all orders
are
punctually
filled.

Long
Distance
Telephone
2985.

WM. F. KASTING & CO., F. STOKES,
Manager.

Wholesale Florists. 444 Sixth Ave.

All kinds of FLORISTS' SUPPLIES and
WIRE DESIGNS on hand.

Mention The Review when you write.



Galax Leaf.
Much reduced.

**Galax
Leaves
AND
Leucothoe
Sprays**

FOR SPRING AND
SUMMER USE.

Write for prices to

HARLAN P. KELSEY,
1106 Tremont Bldg.,
BOSTON, MASS.

Mention The Review when you write.

Cut Flower Exchange,

404 - 412 East 34th St., New York,

NEAR THE FERRY.

Open Every Morning at 6 o'clock for the sale of
CUT FLOWERS.

Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

Mention The Review when you write.

HOUSE PLANTS IN THE HOUSE.

The PLANT trade from the point of
"business," and also the care of Plants,
treated in an attractive six-page Folder
to be given to customers.

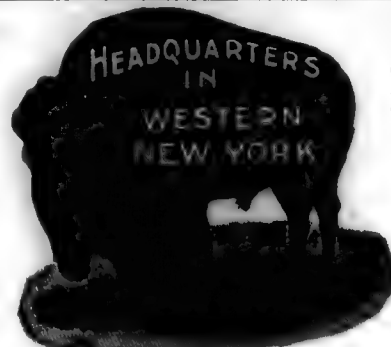
Sample order of 25 copies mailed for 60c in stamps

Dan'l B. Long, Publisher, Buffalo, N. Y.

Mention The Review when you write.

GIVE US
A
TRIAL.
WE CAN
PLEASE
YOU.

Roses,
Carnations
and all
kinds of
Seasonable
Flowers
in stock.



WM. F. KASTING, Wholesale Com-
mission Florist.
495 Washington St., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire
Designs.

Mention The Review when you write.

WM. J. BAKER, WHOLESALE CUT FLOWERS,

1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

Mention The Review when you write.

EDWARD REID, Wholesale Florist,

LONG
DISTANCE
PHONE.

1526 Ranstead St., PHILADELPHIA, PA.

Mention The Review when you write.

Pandanus Veitchii

Clean Stock,
Pedestal
Grown.
6-in. pots, \$1.00 each; \$12.00 a dozen. Also larger
sizes. Send list of sizes required and get rates.
Also a few white leaved plants at half price, for
decorative effects or cutting up.

JOHN WELSH YOUNG, - Germantown, Pa.

Upsal Station, Penn. R. R.

Mention The Review when you write.

Rose Hill Nurseries.

Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

Largest stock in America.

SIEBRECHT & SON,

New Rochelle, N. Y.

Mention The Review when you write.

Subscribers

Are reminded that they will ma-
terially advance
the interests of their paper by buying
supplies of the advertisers in the . . .

Always MENTION Florists' Review
the name of the
paper when sending inquiries or orders.

Always mention the Florists' Review when
writing advertisers.

ESTABLISHED 1802

THORBURN'S SEEDS

JUST ARRIVED IN FINE
CONDITIONFRESH **Seaforthia**
SEEDS of **Elegans....**

Price, \$3.00 per 1000.

J.M.THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Mention The Review when you write.



Verbena King

SAYS:

Jones pays the freight—
So do we on all rooted
cuttings, and until further
notice we will sell our
fine Mammoth Verbenas
at 60c per 100, \$5
per 1000; all well rooted,
true to name, strictly
free from rust or mildew.
Our Verbenas go every-
where, it makes no dif-
ference where you live
we guarantee to reach
you in safety and guar-
antee satisfaction; what

more can you ask? Just try us and we will do the rest.
We can fill all orders for Verbenas, it matters not how
large the order may be, at the following prices: 60c per
100, \$5 per 1,000; 5,000 for \$22; 10,000 for \$40; 25,000
for \$95; 50,000 for \$175. Yes, and we have them, too.

OUR MAMMOTH VERBENA PLANTS
are now ready, they are fine strong plants and will
surely please you, at \$2.00 per 100, \$18.00 per 1000.

LOOK HERE! CARNATIONS—To move
them quick — Flora Hill,
Mayor Pingree, Morello and Daybreak, \$1.50
per 100; Portia, McGowan and Wm. Scott,
\$1.00 per 100; \$7.50 per 1000.

THAT CASH, PLEASE.

Send for new descriptive list.

C. HUMFELD, Clay Center, Kan.**THE ROOTED CUTTING SPECIALIST.**

Mention The Review when you write.

SURPLUS STOCK. Strong well
rooted
plants, in 2½-in. pots, ready for im-
mediate shipment.

Please mention **BRIDES**
Review when **MAIDS**
ordering. **METEORS** } \$3.00
PERLES } per 100

L. L. MAY & CO., St. Paul, Minn.

LAST CALL FOR ROOTED ROSE
...CUTTINGS...

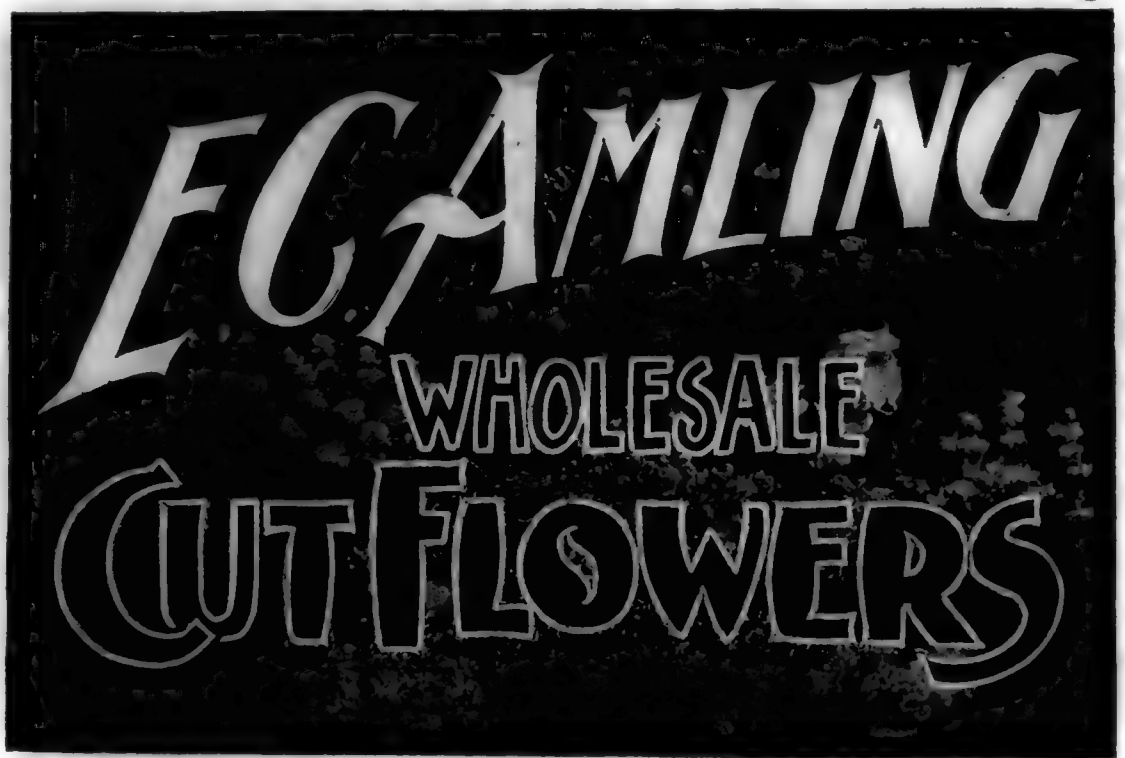
\$1.50 per 100,
\$12.50 per 1000

The Perle

Or will exchange for
Golden Wedding Mums.

J. F. AMMANN, Edwardsville, Ill.

Mention the Review when you write.



W. S. HEFFRON, Mgr. 51 Wabash Avenue,

→ **CHICAGO.**

ROSES.

EXTRA FANCY BEAUTIES.

GOOD BEAUTIES.

SHORT BEAUTIES.

VERY CHOICE KAISERIN, regular
Summer growth.

SELECT MAIDS and BRIDES.

METEORS and PERLES, good fair stock
and seconds, at prices to suit.

CARNATIONS

ARE OUR SPECIALTY.

WE HANDLE THE LARGEST LINE
OF HIGH GRADE FANCY AND
ORDINARY STOCK IN THE
CITY.

ON CHEAP STOCK WE CAN GET
'WAY DOWN.

CAN SUPPLY LARGE BUYERS with
STOCK THAT WILL MAKE
THEM MONEY.

Mention the Review when you write.

COLEUS. Verschaffeltii and Golden Bedder,
\$8 per 1000; Fancy, 25 var., superb,
brightest colored, some grand new, \$5 per 1000.
Alternanthera. P. Major, A. Nana, Amabilis
and Pittsburg, latter especially
fine, all are nice bushy little plants, \$8 per 1000.
Verbena — Brightest colors, fine plants, 50c per
100. Any quantity by express at quoted rates;
by mail, add 20 per cent. Cash, please.

DANIEL K. HERR,**843 Columbia Ave., LANCASTER, PA.**

Mention The Review when you write.

American Arborvitæ

2 to 3 ft. twice transplanted.

5 to 6 ft. thrice transplanted.

Scotch Pines, 5 to 6 ft., twice transplanted; fine
stock. Abies excelsa inverta, 3 to 5 ft., \$9 to \$18
per doz. A fine stock of Evergreens and Orna-
mental Trees. Descriptive catalogue and whole-
sale price list for all in the trade.

SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

Mention the Review when you write.

Miscellaneous.

SEASONABLE STOCK ALWAYS ON
HAND.

VERY FINE VALLEY — BULBOUS
STOCK, MIGNONETTE, MAR-
GUERITES, etc. SWEET PEAS
NOW COMING IN DAILY.

Decorative.

LOCAL GROWN ASPARAGUS,
FINEST ADIANTUM, GOOD GALAX.

COMMON FERNS, 40c per 100,
\$4.00 per 1000.

SMILAX — scarce.

We ship nothing knowingly but stock
that will carry and give satisfaction.

Our Prices always the lowest
MARKET RATES
consistent with
quality of stock shipped.

Store open from 7:00 A. M., until 6:30
P. M. Sundays and Holidays closed at noon.

CHRYSANTHEMUMS.

Good, strong, healthy stock of the following
well-known varieties:

Mme. G. Bergmann	Rose Owen
Ivory	Eugene Dailedouze
The Queen	Wm. H. Lincoln
Mrs. Jerome Jones	Col. W. B. Smith
Etoile de Lyon	Mrs. J. G. Whilldin
Miss Minnie Wanamaker	V. H. Hallock
Golden Wedding	Maud Dean
Niveus	Chillingfordii
Minerva	Geo. W. Childs
Liberty	Bessie Burton
Bonnaillon	Modesto
Mrs. J. J. Glessner	Mrs. Murdock
Belle of Castlewood	J. G. Woodford
from 2½-in. pots, \$2.00 per 100; per 1000, \$15.00	

Cannas, good variety named \$2.00 per 100
" mixed 1.00 "

Nymphaea Odorata Gigantea, strong roots 3.50 "

R. VINCENT, JR., & SON, White Marsh, Md.

Mention The Florists' Review when
writing advertisers.

THE MUMMY'S CASE.

Under the above title the John C. Moninger Co., Chicago, makers of cypress greenhouse material, are sending out the following verses which are certainly very clever:

When Pharaohs ruled in days of yore
Upon the Nile's historic shore,
It was the custom of the land
To build upon the desert's sand
Great pyramids and towering piles
Where, as in some cathedral's aisles,
The death-struck kings, each by himself
Were laid embalmed upon a shelf.

Each mummy had his separate place,
With cerements bound round his face,
While over his body a sheathing sheet,
In many coils, wound to his feet;
And for each mummy, thus wound about,
A cypress case was hollowed out.

Three thousand years have passed since then,
Yet there they lie—those mummied men.
The mystic drugs, forced in their veins,
Have well repaid th' embalmer's pains.
Shrunk are the muscles, parched the skin,
But no corruption lies within;
And e'en the cases of cypress wood
Time's ravages have all withstood.

No drugs preserved the cypress case
Or gave the wood th' immortal place
Held by it ever since the flood—
And Noah's ark of shittim wood,
Its every fibre seems to say:
"Cease, time! I never will decay."
No storms that blow or winds that beat,
Or winter's cold or summer's heat
Can cause the cypress to decay;
It wears, but will not rot away.

VOLIN, S. DAK.—J. K. Jensen is building a house, 16x50.

MERRILL, WIS.—Jos. Wolf is building a house, 18x50.

YOUNGSTOWN, O.—E. Hippard is building five houses, each 19x100.

SAGINAW, MICH.—Chas. Frueh & Son are building a new house, 20x100.

MONTCLAIR, COLO.—Emil Glauber is building two new houses, 19x100.

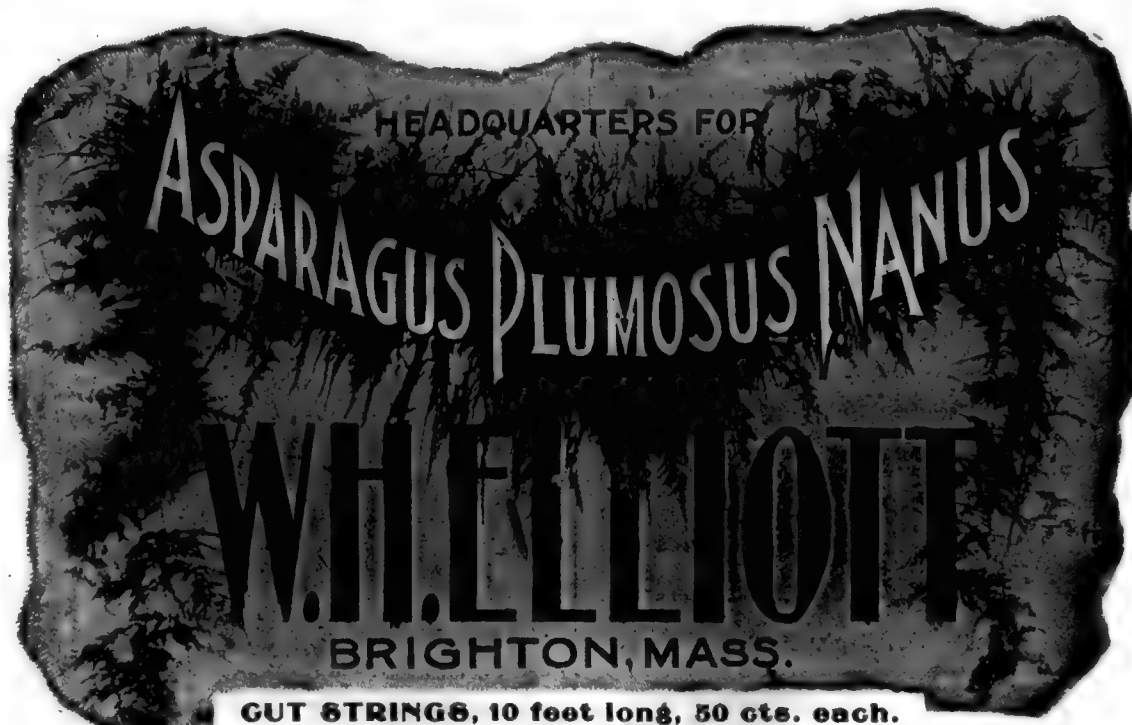
OSWEGO, N. Y.—W. N. Mattoon has opened a down-town store at 9 West Bridge St.

SAGINAW, MICH.—Chas. Frueh has admitted to partnership his son, Chas. Frueh, Jr.

SAN ANTONIO, TEXAS.—A floral carnival will be held here April 21 and 22. Leading features will be a flower battle and parade of vehicles decorated with flowers.

CHESTER, PA.—Isaac F. Bartow has purchased the business of Wm. Edwards, the florist. The latter has removed to Norwood.

FREDERICK, MD.—Mr. C. Hermann will at once rebuild the greenhouse recently damaged by fire. The loss is estimated at \$500 on the greenhouse, \$500 on plants, and \$100 on the residence. The damage to the residence and greenhouse was fully covered by insurance and there was \$200 insurance on the plants.



HEADQUARTERS FOR
ASPARAGUS PLUMOSUS NANUS
W.H. ELLIOTT
BRIGHTON, MASS.
CUT STRINGS, 10 feet long, 50 cts. each.
Shipped to any part of the country.
Mention The Review when you write.

Lady Dorothea..

Winner of Silver Cup as best New Rose—Chicago Chrysanthemum Show, November, 1898. Also Certificates of Merit—New York and Toronto.

The Florists' Rose, a free bloomer, always an attractive and selling color. No bull heads.

1 plant 50c; 12 plants \$4.00; 100 plants \$25.00; 250 plants \$50.00; 500 plants \$75.00; 1000 plants \$125.00

JOHN H. DUNLOP, Toronto, Canada.

Mention The Review when you write.

Dahlia Camelliaeflora...

Illustrated in Florists' Review January 26, 1899, and in Florists' Exchange August 13, 1898.

Awarded by the American Institute of New York a Diploma on pot plants of Dahlia Camelliaeflora and a First Class Certificate on Cut Flowers of the Dahlia Camelliaeflora.

This variety is particularly good for Spring sales as pot plants and is an abundant bloomer, valuable for cut flowers, and does not exceed two feet in pots or in field. The blooms are bold, clean cut, pure white, with very full center. Good, strong plants out of 2½-in. pots, \$1.50 per doz.; \$10.00 per 100. Orders booked now and filled in rotation. Cash with order.

A. L. MILLER, Jamaica Ave., Brooklyn, N. Y.

Mention the Review when you write.

100,000 VERBENAS, THE CHOICEST VARIETIES IN CULTIVATION....

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

{ No Rust or Mildew.
Packed Light and
Satisfaction Guaranteed.

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1840 Old Colony Nurseries, 1899
HARDY SHRUBS, TREES, VINES,
EVERGREENS and PERENNIALS.

A large and fine stock of well rooted plants, grown in a sandy loam. Good plants, best sizes for planting, very cheap.

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SOLD! All our Geraniums are sold except a few thousand *Skeleton Rose*, \$2 per 100; 2½-in. pots, \$3.00 per 100.

COLEUS, by the 1,000, 10,000 or 50,000. Now ready *Crimson Verschaffeltii* and *Golden Queen*, \$8 per 1000; in variety, \$5 per 1000. *Verschaffeltii* and *Queen* in 2-in. pots, \$15 per 1000.

Giant Alyssum, 2½-in. pots, \$3 per 100; rooted cuttings, \$1 per 100.

Ageratum, blue and white, 60c per 100; \$5 per 1000.

Fuchsias, standard sorts, \$1.50 per 100; \$12 per 1000; 2½-in. pots, \$3 per 100.

Feverfew, *Little Gem*, from flats, \$1.25 per 100; \$10.00 per 1000.

Marguerite, *Double Golden*, \$2 per 100.

Double Petunias, \$1.50 per 100.

Salvia, *Splendens* and *Bedman*, \$1 per 100.

Heliotrope, 6 varieties, \$1 per 100; \$9 per 1000.

Vincas var., cuttings, \$1.25 per 100; 4-in. stock, fine, \$8 per 100; \$50 per 1000.

The above are rooted cuttings except where noted.

Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y.

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ROSES. ROSES.

Strictly first class stock. *Brides*, *Meteors*, *Maids* and *Perles*. Strong 2½-in., \$2.50 per 100. *Kaiserin* \$3.50 per 100. *Beauty* \$5 per 100.

Our Rose plants are acknowledged to be the finest supplied to the trade. Place your order with us for immediate or future delivery if you want the choicest stock.

CARNATIONS. All the leading varieties, new and old, at bottom prices. Selected Cuttings only.

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PANSIES. From cold frames. Big plants full of buds and blooms, the finest in the market. \$2 per 100. Terms strictly cash with order. Send for list.

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Acalypha Sanderii.

Pteris Serrulata Voluta. Entirely distinct from all other Ferns, a pretty variety to grow on into specimens, 2-inch pots; 75c per doz., \$8.00 per 100.

For a full list of Novelties, Specialties and all Seasonable Stock, see our current quarterly wholesale list.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

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Begonia—Duke Zeppelin.

A new hybrid, tuberous-rooted variety, that delights in full sunshine, producing the entire summer rich, dazzling scarlet double flowers. Strong bulbs, 20c each, \$2.00 per doz., \$15.00 per 100.

Begonia—New Frilled.

Entirely distinct new tuberous-rooted variety, very large flowers, beautifully frilled on the edges, similar to the newer forms of *Petunias*. Strong bulbs, 25c each, \$2.50 per doz., \$18.00 per 100.

Acalypha Sanderii.

We offer strong, 2½-inch pots of this striking novelty; 80c each, \$3.00 per doz., \$20.00 per 100.

Asparagus Sprengeri.

A fine lot of strong plants from 3-inch pots; \$6.00 per 100, \$50.00 per 1000.

Caladium Argyræ.

Always scarce; a most desirable little plant to use in connection with cut-flower work; we offer a fine lot of 2-inch pot plants \$1.25 per doz., \$10.00 per 100.

Richardia Elliottiana.

The best of the yellow *Callas* and the variety which will supersede all others, a limited lot of good bulbs \$1.50 each.

Dracena Godseffiana.

A nice lot of 2-inch pot plants of this striking new variety; 35c each, \$3.50 per doz., \$25.00 per 100.

The Florists' Manual

Price, \$5.00

...BY...

WILLIAM SCOTT.

**WILL BE
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FOR DELIVERY
IN JUNE**

IT will cover the whole field of Commercial Floriculture, the articles arranged alphabetically, encyclopaedia style, so reference may be quick and easy. It will be a whole library in itself, and will tell you just what you want to know in just the way you want to be told. It will be the standard work of reference for the trade.

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Payment need not be made until book is ready.

FLORISTS' PUBLISHING CO.

520-535 Caxton Building,

→CHICAGO.

ELECTRIC HEATING.

Please let me know through The Review something about electric heating for greenhouses. I read in a floral paper some time ago that some one is heating his greenhouses with electricity. Can you tell me anything about the cost, machinery used, etc.?

N. GREIVELDING.

We are advised by an electrical engineer that the cost of heating by electricity is many times that of any other method. In the heating of street cars, for which purpose electric heat has been most largely used, it is estimated that on an average as much current is used to supply heat as to move the car.

Electric heating will not be within the reach of florists until the cost of producing electrical energy is very considerably reduced.

Probably the electrically heated greenhouse, of which our correspondent saw mention, was a small conservatory owned by some amateur to whom expense was not a material matter. He probably took his current from the service wires of an electric lighting company, and had no machinery of his own, other than the radiators.

JADOO.

We have received from the American Jadoo Co., 817 Fairmount avenue, Philadelphia, a sample of their 25-cent package of Jadoo Fibre, put up in attractive form for florists to sell at retail. It is a tin box 5x5x7 inches, with a handsome lithographed label in colors, upon which appear: "Hints on growing plants in Jadoo Fibre," as well as the name of material, price, etc. These packages should make very attractive shelf goods, and be very convenient to offer customers in search of "good soil."

They also send us a sample 25-cent bottle of Jadoo Liquid which is enclosed in a carton and is gotten up in attractive form to retail. The bottle contains a full pint of Jadoo Liquid, and with each is a circular giving extended directions for its use.

PRICES ON GLASS.

According to reports in the daily press the Western Window Glass Jobbers' Association met in secret session in Chicago last Saturday and decided on an increase of 10 per cent. in the price of single strength glass and 15 per cent. in that of double strength. It is said that the new schedule was to go into effect at once to prevent dealers from making any quick purchases of glass at the old figures.

PRINCESS OF WALES VIOLETS

True stock. A money maker. Fine plants in 2 1/2-in. pots, \$5 per 100, \$40 per 1000. Divided plants and well rooted runners, strong, \$2.50 per 100, \$20 per 1000. CYCAS, a few large plants in tubs with 30 to 35 leaves, 36 to 42 inches long. Will be sold cheap.

JOHN G. HEINL & SON, Terre Haute, Ind.
Mention The Review when you write.

Look Here for Rooted Cuttings

	Per 100
Abutilon, var. trailing.....	\$2.00
Ageratum, blue and white..	1.00
Alternanthera, red and yellow, per 1000, \$5.00.....	.80
Anthemis, double yellow....	2.00
Begonia Rex, 50 to 80 var....	2.00
Incarnata Gigantea.....	2.00
Vernon.....	1.00
Chrysanthemums, named....	1.50
Cuphea (Cigar plant).....	1.00
Coleus, mixed, per 1000, \$5..	.60
" separate colors ".....	.75
Fuchsia Trailing Queen.....	1.50
" named.....	1.50
Forget-me-not, winter flowering.....	1.50

	Per 100
German Ivy.....	\$1.25
Heliotrope, per 1000, \$10....	1.25
Geraniums, named; Double	
Grant, La Favorite, S.	
A. Nutt, Rev. J. B. Atkinson, Gloria de France	
etc., per 1000, \$12.50.....	1.50
Mixed, per 1000, \$10.....	1.25
Md. Sal., " 10.....	1.25
Bronze.....	1.50
Silver Leaf.....	1.50
Rose Scented.....	1.50
Mrs. Pollock.....	2.00
Freak of Nature.....	3.00
Happy Thought.....	3.00
Mars.....	3.00

	Per 100
Geranium Md. Bruant.....	\$2.00
Mrs. Parker.....	4.00
Imp. Sultana.....	1.50
Lemon Verbena.....	1.50
Lobelia, blue.....	1.00
Lantana, assorted.....	1.50
Manettia bicolor.....	2.00
Pyrethrum Little Gem.....	1.50
Pelargoniums, named.....	4.00
mixed.....	3.00
Double Alyssum, giant.....	1.00
Salvia, scarlet.....	1.25
golden leaved.....	2.00
Violet M. Louise.....	.60
Verbenas, per 1000, \$8.....	.75
Daisy Snow Crest.....	2.00

POTTED PLANTS. 2 1/2-inch except where noted.

	Per 100
Begonia Rex, mixed, 20 to 30 var....	\$4.00
Louis Closson, \$4 and 6.00	
" named varieties.....	6.00
Fuchsia Trailing Queen.....	4.00
Forget-me-not, winter flowering....	3.00
Abutilon, var. trailing.....	4.00
Mrs. Parker Geranium.....	6.00

	Per 100
Mrs. Pollock Ger.....	\$4.00
Silver Leaf.....	4.00
Mars.....	6.00
Md. Bruant.....	4.00
Lemon Verbena.....	4.00
Hydrangeas, P. and W., 4-inch.....	10.00

	Per 100
Vincas Var., 2-in.....	\$2.00
" 3-in.....	4.00
" 8 1/2-in.....	6.00
" 4-in.....	10.00
Dracaena.....	\$5.00 to \$20.00
Imp. Sultana.....	3.00

Terms Cash or C. O. D.

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Plants in 2 1/4-inch pots NOW READY. Price — per 100, \$15.00; 50 at 100 rate. per 1000, \$125.00; 250 at 1000 rate.

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Perles, Woottons and Meteor
ors in 2 1/2-in. pots. Brides,
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A fine lot of Geraniums
in 3 and 4-in. pots.
Ready in bloom.

Write GEO. A. KUHL, Pekin, Ill.

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CRABB & HUNTER,

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CARNATIONS. Rooted Cuttings of Flora Hill, Pingree, Morello and other standard varieties.

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ROSES

Brides & Bridesmaids,
From 2-in. Pots,
Nice Clean Stock at \$2.50 per 100

Smilax, 2-in. pots, at \$1.50 per 100.

CARNATIONS--Rooted Cuttings.

Scott, Bridesmaid, Stuart, Meteor, Gold
Finch, Uncle John, per 100.....\$1.25
White Cloud, Dazzle, "..... 3.50
Daybreak, Flora Hill, Albertini, per 100..... 2.00
Rex Begonias, 2 1/2-in. pots, 8 varieties
per 100..... 3.00

Cash with Order.

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INDIANA.

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White Cloud.....	1, 5.00	40.00
Mary Wood.....	10, 2.50	20.00
Gen. Maceo.....ready now,	10.00	75.00
Gen. Gomes.....	10.00	
Glacier.....	10.00	
Melba.....	10.00	
America.....	10.00	
Gold Nugget.....	5.00	40.00
John Young.....	5.00	40.00
New York.....	5.00	40.00
Argyle.....	5.00	40.00
Evelina.....	5.00	40.00
Jubilee.....	2.50	20.00
Daybreak.....	2.50	20.00

And other Standard Varieties.

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AT ORDINARY PRICES.

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	100	1000
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Georgiana Pitcher, Mrs. F. Perrin.....	2.50	
W. H. Lincoln.....	2.50	

CARNATIONS.

Maud Dean, Mayor Pingree.....	2.00
Harrison's White, Alaska, Meteor.....	2.00

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White Rambler, Bride, 'Maid.....	3.00	
Pres. Carnot.....	4.00	

All First-Class Stock.

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Read what some of our best growers say concerning it.

Cleveland Ohio, Jan. 16, 1899.
Mr. Theron Parker. Dear Sir:—We have had your Model Carnation Support in use for some time now, and think it far superior to anything we have ever tried before. Yours very truly, ELLA GRANT WILSON.
Other testimonials will appear weekly. Write for prices.

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	Per 100	Per 1000
ARGYLE.....	\$3.00	\$30.00
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BONTON.....	4.00	40.00
MRS. JAS. DEAN.....	4.00	40.00
GOLD NUGGET.....	4.00	40.00
EMPRESS.....	\$3.00	\$30.00
PSYCHE.....	2.00	20.00
NEW YORK.....	4.00	40.00
JOHN YOUNG.....	4.00	40.00
EVANSTON.....	6.00	60.00

Five cuttings at 100 rate.

100,000 PLANTS AND CUTTINGS.

	Per 100	Per 1000
MME. SALLEROI, rooted cuttings.....	\$1.00	\$10.00
LOBELIA, ".....	1.00	10.00
IRENES, red & yellow, ".....	1.00	10.00
COLEUS, mixed.....	\$1.00	\$10.00
NEW YELLOW MARGUERITE.....	1.00	10.00
VINCA, mixed.....	1.00	10.00

PLANTS

	Per 100	Per 1000
BEGONIAS, mixed, 2½-in.....	\$2.00	\$20.00
" " 3½-in.....	4.00	40.00
" " 5-in.....	6.00	60.00
HELIOTROPES, mixed, 2½-in.....	2.00	20.00
VELVET PLANT, 2½-in.....	2.00	20.00
SMILAX, strong, ".....	2.00	20.00
" from flats, ".....	.50	5.00
LITTLE GEM, 2½-in.....	2.00	20.00
" 3½-in.....	4.00	40.00
" 5-in.....	6.00	60.00
FUCHSIAS, 2½-in.....	2.00	20.00
MESEMBRYANTHEMUM } 2½-in.....	3.00	30.00
ERECTUM.....	4-in.....	6.00
GERANIUMS, mixed, 2½-in.....	2.00	20.00
GERANIUMS, named, 3½-in.....	\$4.00	\$40.00
" mixed, 4½-in.....	8.00	80.00
IRIS, German, 4 colors.....	3.00	30.00
GOLDEN FEVERFEW, from flats.....	1.00	10.00
COLEUS, 2½-in.....	2.00	20.00
DOUBLE WHITE GERANIUMS, in 4 varieties, 8½-in.....	5.00	50.00
ABUTILONS, mixed, 2½-in.....	2.00	20.00
SALVIA, Clara Bedman, 2½-in.....	2.00	20.00
" rooted cuttings.....	1.00	10.00
" Patens, 2½-in.....	2.00	20.00
MARGUERITE, yellow, 2½-in.....	2.00	20.00
SOUTHERN THYME, 2½-in.....	2.00	20.00
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Five plants at 100 rate.

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Varieties.

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TRY IT! \$2 per dozen.
\$10 per hundred.
\$75 per thousand.

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From Hand Fertilized, Winter Blooming Varieties.
100 plants for \$4.00, 25 plants at 100 rate.
Sent free by mail.

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\$3.00 per 100, \$40.00 per 1000.
Flora Hill, Daybreak and Jubilee,
\$2.00 per 100, \$15.00 per 1000.

Also 9 most promising varieties of '99, and 15 leading standard varieties.

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\$12.00 per 1000; \$1.50 per 100.

PINKS ANNA BOLEYN,
\$7.50 per 1000; \$1.00 per 100.

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THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

520-535 Caxton Building, Chicago,

334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/4 page, \$13.50; full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.

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NOTE OUR department devoted to the retail florist. In this department will appear weekly the very latest regarding the arrangement of flowers in the leading New York stores, with handsome illustrations of arrangements that may prove useful suggestions to our readers.

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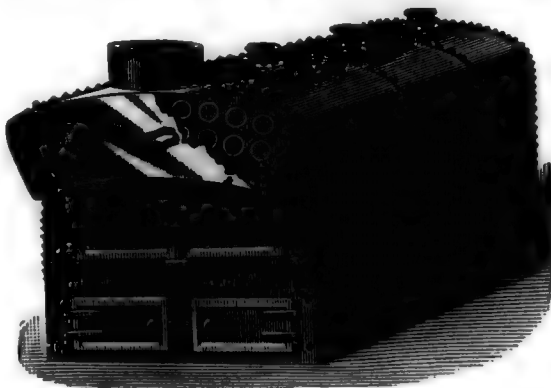
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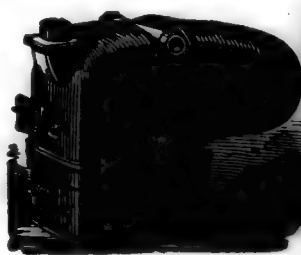
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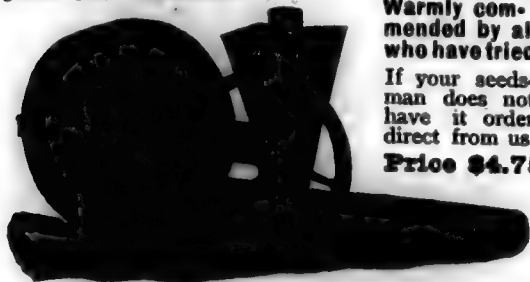
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THE WEEKLY FLORISTS REVIEW

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Vol. III.

CHICAGO AND NEW YORK, APRIL 27, 1899.

No. 74

ADIANTUM TETRAPHYLLUM.

Among the less common species of maiden-hair ferns *Adiantum tetraphyllum* is deserving of special mention, and some idea of its general outline may be had from the illustration which accompanies this note. But unfortunately an ordinary photograph fails to show us the fine distinctions of coloring that present themselves in the living plant, and in consequence we are compelled to fall back upon cold type for our descriptions.

The plant in question has been found in fern collections for many years past, and has produced an occasional variation in form from time to time, though it is not a notably prolific species, perhaps the best of these variations from the type being that known as *A. tetraphyllum gracile*, in which the pinnae are rather narrower than those of the original species and the young fronds show a higher coloring than is found on the type.

A. tetraphyllum may be classed as a moderate grower, the fronds reach-

ing a height of 12 to 15 inches, and are usually four times divided, or rather divided into four segments. While unfolding the young fronds are frequently bright pink, this color gradually fading as the frond develops, until the mature leaf becomes dark green.

This species prefers warm house treatment, is evergreen, and grows best in a rather loose and open compost. It requires plenty of water at the root, but during the winter especially should not be watered overhead frequently, or the fronds are liable to become rusty. Snails seem to have a special liking for the young foliage of *A. tetraphyllum*, and close watching is required to get the best of these pests.

W. H. TAPLIN.

CYCLAMEN.

A subscriber writes: "Let me know through the Review what to do and how to keep cyclamen bulbs for the summer and what time in fall to start them."

Presumably subscriber alludes to old bulbs, i. e., bulbs that flowered last winter and are now more than a year old. It used to be the fashion to keep over cyclamens two and even three years, but this is seldom done now. It is more profitable to raise plants every year by sowing in September, for extra fine plants, and December and January for later crops.

If you want to try the old bulbs another year there are two methods: Stand the plants, after flowering is done, outside where they will not receive the broiling suns of summer and water only occasionally, just enough to keep the bulbs from shriveling. Start growing in September by shaking off all the old soil; cut off most of the roots and start growing either in cold frame or greenhouse; or, you can shake off the soil, trim back roots and plant out of doors in good soil



Adiantum Tetraphyllum.

and lift and pot in September or before there is any danger of frost.

WILLIAM SCOTT.

CHRYSANTHEMUMS IN APRIL.

We present herewith an engraving from a photograph taken April 19 of a bench of President Smith chrysanthemums in bloom at the establishment of Mr. Carl Hirsch, Hillsdale, Mich. Mr. Hirsch sends with the photograph a few of the flowers, which are about as good as those produced in November by this variety, measuring a good five inches in diameter.

He says the plants have been in the house since June, 1898. He cut a good crop last November and in eight or ten weeks after the crop was cut the plants commenced to bloom again and have been flowering ever since.

THE RELATION OF BACTERIA TO THE NUTRITION OF PLANTS.

[Read by Dr. Otis W. Caldwell of the University of Chicago, before the Chicago Florists' Club, April 21, 1899.]

So much has been said of various forms of bacteria as being causes of disease of men and lower organisms, that unless we turn our attention to some other phases of bacterial life, we shall be led to conclude that all these minute bodies are directly opposed to our own interests. It is natural that we should think more often of those bacteria which give us disease, but we know quite well that our interests are affected none the less by other bacteria; and it is in consideration of some of these other forms which are helpful rather than harmful of which I now wish to speak. And in dealing with the subject as announced I wish to consider it under four divisions: 1, nutrition of green plants; 2, decomposition or putrefaction of organized bodies; 3, the nitrifying bacteria; 4, the bacteria of root-tubercles.

I. Nutrition of Green Plants.

A clear discussion of the nutrition of plants may well begin with a consideration of the peculiar work of the green parts of plants, under the influence of the sun's rays, a most important process to which has been given the name "photosynthesis," or construction of foods by means of the light. It is a matter of common knowledge that there is in the atmosphere a large quantity of carbonic acid gas which is taken through the surface of the leaves of plants; and that large quantities of water are brought up from the roots of plants through the stem into the leaves. Here in the interior of the leaf there are certain small bodies known as plastids, which are colored green by the coloring matter, chlorophyll, which gives the green color to the entire leaf.

The plastids by means of the chlorophyll are able to intercept certain rays of light and to use their energy in breaking up the water and carbonic

acid gas into the elements hydrogen, oxygen and carbon. Some of the oxygen thus freed passes out of the leaf into the atmosphere and more or less of it is used in the respiration of animals. Some of the oxygen which remains within the leaf serves a similar purpose to the plant, while the remainder and the carbon unite to form a new compound. After various changes this new compound may be recognized in the forms known as starch and sugar. This power of taking inorganic substances, such as carbonic acid gas and water and making from them an organic substance such as starch or sugar belongs to green plants only. Such substances form the basis of all food materials and to the green plants all non-green plants and the animals must look for the source of their food.

But the products of the union of the carbon, hydrogen and oxygen can be utilized as food by neither plants nor animals until it has undergone further change. To these things there must be added other compounds containing nitrogen, sulphur, etc., the nitrates being the most prominent of all. The nitrates are obtained directly from the soil and are carried up to the leaves in the current of water which is constantly passing from roots to leaves. Whenever sufficient amounts of nitrates and water are present the plants are able to build up all the food materials they need in their growth. Insufficient quantities of either result in greater or less starvation of the plants. The soil must be kept reasonably rich in nitrates and similar compounds by the addition of fertilizers from artificial or natural sources. There must be at hand plenty of water in which these compounds may be made into solution, and by means of which they may be carried through the roots and stalks of the plants. The green leaves might be prepared to do their part of the work in producing food for the plant, but should such substances as the nitrates be absent from the soil the plant could not prosper. Every one who has had to do with the cultivation of plants recognizes these things in practice and adjusts the conditions to his plants accordingly, by artificially introducing fertilizers and water in case the supply of these things by nature is not sufficient to meet the demand. It is not our main purpose at present to discuss artificial means of fertilizing, with which all are familiar, but rather to consider the processes found in nature. From this we may obtain some valuable suggestions as to things which must be done artificially when nature's process fails. And first we shall consider the source of the soil's supply of such compounds as the nitrates.

II. Decomposition or Putrefaction.

It is a fact well known to us all that the dead body of either plant or animal when left exposed to air and moisture will soon decay, and by de-

cay we mean the breaking up of the body into gases, water, and other compounds, which may pass into the air or be carried down into the adjacent soil. Prominent among the gases produced is carbon dioxide or carbonic acid gas, while of those compounds which enter the soil the different forms of ammonia are most prominent.

Now we may well ask, "How do these things take place?" "Why is the organized body which composed the plant or animal now breaking up into these substances which pass off into the atmosphere or the soil?" In other words, "What is decay, its nature, and cause?" If we were to make a careful study of the decaying body of an animal or plant, we should find it inhabited by many thousands of minute organisms, some of which are of the animal kingdom, but far more of which are of that class of lowly plants known as the bacteria. We should probably find several kinds of bacteria, and should we, from day to day, examine a body which had just begun to decay, we should find the number of bacteria increasing marvelously. The dead body furnishes these minute organisms admirable places for growth. They take the parts of the body and use them as food and in thus using them break them up into the water, carbonic acid gas, and ammonia compounds, of which we have already spoken. And in this process of using these organized products the bacteria have obtained the things they desired as food and have grown and increased in number at a very rapid rate. These bacteria of decomposition continue this process until the body which gave them nourishment has become entirely disorganized and has disappeared from the surface of the earth.

III. The Nitrifying Bacteria.

While many of the products of putrefaction are in such form that they may be again used directly by plants, some of them are not so, but must first undergo further change. Some of the ammonia or nitrogen compounds formed in decay do not contain as much oxygen as must be present in the nitrogen salts which can be used by higher plants. These compounds may be in the form of pure ammonia or the form known in the language of chemistry as nitrites. Now this group of nitrifying bacteria has the power of using these nitrogen compounds and thereby changing them into the nitrates which contain the amounts of oxygen required in the food of higher plants. This process must go on in the soil constantly in order that these nitrogen compounds may be made into the nitrates—the utilizable. These bacteria must not be confused with the bacteria of putrefaction. They are entirely different, and it is not known that they are ever primarily interested in inducing putrefaction. They take up a part of the work at the point where it is left by putrefactive bacte-



Chrysanthemums in April.

ria, and carry on the work until the food substances are enabled to start again in the food cycle. There are several kinds of nitrifying bacteria each of which performs a certain part of the work of producing the nitrates. It seems that pure ammonia is affected by one kind of nitrifying organism, while the nitrites are built into nitrates by another kind. We do not know definitely just how many kinds of nitrifying bacteria there are, but several have been identified.

We are in no danger of attaching too great importance to the work of these bacteria which bring about decay. The bodies of plants and animals at the time death occurs are entirely too complex to be used again by plants as foods. We could not nourish our plants directly by giving them the flesh or bones of an animal. For a long time we have known that such things are entirely too complex and must be reduced to far simpler forms before plants can again use them. We have not known very long the significance of this reduction of complex substances to simple ones. We do not yet thoroughly understand the process.

It has been definitely determined that in the absence of bacteria and whatever there may be of animal organisms which have to do with decay, no decomposition can take place. Many experiments have been made which show conclusively that should a piece of flesh be kept free from these scavengers it would maintain its structure for an indefinite period. Such men as Tyndall and Huxley gave much of their time in showing this to be true. If bacteria were not present in nature we should have all dead bodies of

plants and animals remaining on the surface of the earth, undecomposed except as affected by action of wind, water and change of temperature; and the time would be surprisingly short until we should find our usual walks obstructed by the accumulation of lifeless forms. And the inconvenience this developed would be slight indeed in importance as compared with another phase of the question. We have seen how the green plants under the influence of the sun take water and carbon dioxide and carry them through various changes until we reach the substances we know as starches and sugars. We know that before these starches and sugars can be made into plant and animal tissue they must be worked over into new compounds together with certain salts of nitrogen, sulphur, iron, etc., which are obtained from the soil. Now should these nitrogen salts be taken constantly from the soil, and its supply never replenished from the usual sources by decomposition of organic bodies, it is evident that the supply would soon be exhausted and all plant life must end since the means of supporting it are no longer present. And if plant life ends animal life must surely end since the latter is directly dependent upon the former.

In actual practice any natural deficiency is frequently met by the introduction of fertilizers. These may be classed under two general heads. Those which are the direct organic products of animals or plants—usually of animals—and those which are manufactured from such products and also from certain chemicals which supply the soil with some of the needed salts.

Almost all of these, however, must be worked over by the bacteria before they are suitable food substance for growing plants. The economic significance of the addition to the soil of most fertilizers is not that substances are introduced which may be transformed directly into plant tissue, but rather that these fertilizers form suitable food for the bacteria of decomposition and that as these bacteria use up the part of the organic matter which is desirable from their point of view, they form other substances which can then be utilized by higher plants. Doubtless some fertilizers have been acted upon by the bacteria of decomposition before being put upon the market, in which case they require less time before being actually utilizable; but this saving of time does not compensate for the loss by such a method of things which would enrich the soil and which would not be lost should the decomposition have taken place in connection with the soil. As a consequence that soil is always better which has been enriched by the slow decomposition of a certain amount of organic products, rather than by the addition of the same amount of partially decomposed organic products. It is true, however, that such advantage could easily be offset by the addition of larger amounts of partially decomposed substances.

But whether all of this decomposition which is to enrich the soil takes place in the presence of the soil or elsewhere, the action of the bacteria bringing about the decomposition is none the less significant. We find the organized bodies of animals and plants which contain large amounts of highly organized materials. These bodies at the cessation of life cannot be utilized directly as food by any of the higher plants and by but few animals. If the action of the bacteria of putrefaction were not present we should soon have practically all the available food materials in the universe bound up in these dead bodies, and after a time all life must cease, because there would be no food substances with which life may be supported. But the bacteria of putrefaction live by means of these dead bodies and in so doing break up their compounds, which soon become scattered into the air and soil. Some of these decomposition compounds may be used directly by higher plants; and some of them, having too much nitrogen in proportion to the amount of oxygen contained are further acted upon by the nitrifying bacteria and made into nitrates which contain enough oxygen to make them suitable foods for higher plants. It is clear then that these two groups of bacteria—the putrefactive and nitrifying—constitute connecting links in nature's food cycle. By means of their action food substances may be used again and again, first by plants, then by animals, and so on so long as there are present the organisms and energy which make the transfer from one to the other.

IV. The Bacteria of Root Tubercles.

But there is another group of bacteria of exceeding great importance to which we now wish to turn our attention, i. e., the bacteria of the so-called root-tubercles.

In discussing the process induced by the bacteria of putrefaction I have said already that certain gases are formed which pass off into the air. As we well know the one of these gases which is in greatest abundance is carbonic acid gas, one which may be taken directly into the green leaves and worked immediately into starch and sugars.

But among other things which are set free by the bacteria in their work of decomposition is a considerable quantity of free nitrogen which passes out into the atmosphere, and which the leaves of plants have no power of again taking up. If all plants were to grow and die and decay in one place, and should all the substances they take from the soil be thus returned to it by means of decomposition the soil would never become impoverished but would remain fertile. But as we find that with every decomposition some free nitrogen is lost, and since we know that a great many plants or parts of plants are constantly carried away from the soil which produced them, so that they have no opportunity of enriching it by returning to it, it becomes evident that this great loss of nitrogen must be supplied in some other way if we are going to maintain the fertility of the soil. And here I must refer again to our fertilizers. Every successful horticulturist knows that that fertilizer is best which contains much available nitrogen compounds. He has learned through practice to select those fertilizers which can give to his soil the best recompense for the nitrogen carried off into the atmosphere and for the nitrogen and other compounds which are lost by removal from a soil of the plants or animals which grew upon it. There are many of these fertilizers—some good—any many worse than worthless, but it is not a part of our present plan to discuss their merits. In this paper it is our purpose to deal with nature's means of replenishing the soil, rather than with artificial means.

A great many years ago agriculturists who raised corn and wheat found that were these crops grown in one place one after the other for many years, the soil became so poor it would no longer raise a good crop of either. And since soil so used would no longer produce the plants most desired by the farmer, he sowed a crop of clover in order as he said "to let the soil rest." And after having grown clover one or two seasons he found his soil again able to produce wheat or corn. And for a long time such was the extent of our knowledge of the process. Even when some one discovered on the roots of clovers the small globules now known as tubercles, they were called root-seeds, though it was well

known that the seeds which reproduce the plants grow in ordinary flowers, but later experiments showed that other members of the family leguminosae—e. g. peas, beans, vetches, etc., developed the same kind of tubercles and could enrich the soil as well as the clovers. Microscopical examination of the tubercles showed them to be filled with bacteria, and the observers soon associated the presence of the bacteria with the luxuriance of the plants upon which they grew. It was suggested that these bacteria were able to take from the atmosphere the free nitrogen which the soil lacks, and to work it into some form in which it could be used as food by the higher plants. Many papers have been written and many recent experiments made in attempts both to prove and disprove this claim. It has been proven conclusively that this suggestion with reference to the function of these tubercle bacteria is correct. The free nitrogen of the atmosphere which cannot be used by green plants can be fixed by these small organisms. Some of the nitrogen compounds thus formed are used directly by the plant upon which the tubercle grows. Some of it not so used is left in the soil by the final decay of the tubercle and may be used by succeeding crops to be grown in the same soil.

That these things are true has been proven by growing clovers, peas and beans in soil in which all the bacteria have been killed. In such cases no tubercles were formed and the plants grew very poorly. But when the tubercle bacteria were introduced into the same soil, tubercles were soon produced and the growth of the plants became luxuriant. Examination of the soil showed it to contain much more of the compounds of nitrogen than before.

Another clever experiment was made to show that tubercles are never formed in the absence of the tubercle bacteria. A plant was placed in a small pot and some of the roots drawn through an opening in the bottom. The smaller pot was placed in a large one. In one pot there was placed sterilized soil and in the other ordinary garden soil. The roots which were in the garden soil produced tubercles and those in the sterile soil produced none. Many such experiments have been made to show the same thing.

There can be no longer any reasonable doubt that the tubercle bacteria are of the greatest importance in reclaiming worn out soils by bringing in from the atmosphere the nitrogen, the absence of which constitutes the poverty of the soil. So far this action has been found to take place with plants in the family leguminosae only. Since scientific knowledge of this process has been obtained members of this family have been extensively grown in order that the beneficial effects may be had. Several companies have been formed which propose to sell the tubercle bacteria, thus insuring the purchaser in having the cor-

rect forms with which his clovers, etc., may be grown. Such seems hardly necessary since these tubercle germs seem always to be present in the soil and even to be able in some cases to fix nitrogen in the absence of plant roots. A few experiments have been made with these commercial preparations of tubercle bacteria, but none so far as now known have been reported favorably, except by the persons desiring to sell the preparations. It may be that sometime a preparation will be sold which will be better than the bacteria supplied in the soil by nature, but recent experiments do not point in that direction.

I think I may safely repeat that the importance of the action of the bacteria in the nutrition of plants can hardly be overestimated. The bacteria of putrefaction, by living in the dead bodies of animals and plants, break down the complex substances into simple ones, some of which may be again used directly by plants, others of these decomposition products are far too simple to be used directly and are changed by the nitrifying bacteria into nitrates which can be used as plant food. Another decomposition product—nitrogen—often escapes from the decaying body into the atmosphere and is brought back and again rendered usable by the bacteria of the root tubercles. The bacteria constitute most important links in the food cycle of plants and animals, and were they absent most if not all the life of the earth would soon be impossible. Doubtless most of the elements of food have been through the food cycle times innumerable, built into complex food substances through the direct or indirect influence of the sun's rays, and freed again from this complex food and reduced to a usable form through the action of the bacteria. Through centuries of time the food elements through the influence of the sun, have been made into plant food. From plants the food has been made more complex in being built up into animal bodies. After serving in the animal body, the compounds are reduced by the bacteria to simple substances with which we began and the substances with which we begin again the never ending story which is ever the same.

GEORGE SAVAGE.

It is with sincere regret and a feeling of personal loss that the death of George Savage is noted in the current issues of the trade papers, and a word or two from one who knew him from the time he first came to this country may not be out of place just now. George Savage was a born plantsman and a close observer, and during the five years in which the writer acted as assistant to Mr. Savage in the propagating house of George Such's establishment, many were the interesting discussions relative to the merits and mode of treatment of various plants, and the points thus gained have since proved most valuable.

And it was a genuine love for his work and close attention to it that gave him such eminent success as a grower.

Mr. Savage's labors as a hybridist have been alluded to, and it may be of interest to recall the fact that orchids were not his first or only subjects in the realm of experiment, for as far back as 1881 or 1882 he produced some very interesting lots of seedling Indian azaleas and also crotons, the result of various crosses, some of these seedlings proving to be distinct and valuable enough to be disseminated at about that time.

In his work Mr. Savage was extremely neat and careful, but most energetic, and it required a really live man to make George hustle at the potting bench.

In his home he was a loving husband, and a sincere friend to those fortunate enough to enjoy his confidence, and at this sad time the heartfelt sympathy of many friends is tendered to his sorrowing widow, and among them is that of the writer, who stood with George and his bride before the altar of old Trinity Church, New York, at the time they were made one.

W. H. TAPLIN.



Table Decorations.

It is true that lovely flowers look pretty anyhow and anywhere, but he or she who presumes to be a floral artist should have more than a mere knowledge of color. The observant florist knows that when flowers are cheap they are used on occasions where people would never dream of using them when they are expensive. A more general use, not necessarily a more extensive use, of flowers should always be encouraged. A technical knowledge of what is right and what is wrong is more essential to your success than a spasmodic ambition to lead eccentric fashion; the latter will desert you, the former will stand by you. There are times when the best of us will be puzzled as to how to act and what to suggest, but it is bad to be often caught so.

Now let us discuss with what and how to decorate the table for breakfast, luncheon or tea, because there are more of these decorated now than in winter. We will not deal with the dinner table here because it requires different treatment. For the three occasions specified almost the same kind of flowers and arrangement will do, if any difference is desired the luncheon and tea tables should be the more elaborate, although there should never be either formality or superabundance displayed for these events. Simplicity in flower and arrangement should be the rule. "Made up" designs should never be used unless it be a dish of ferns, and flow-

ers should not be stuck in it. We have often been called upon to decorate a luncheon table in the center of which a \$5,000 lace cover has been spread; no greens or heavy effects were permissible here, only the slenderest kind of vase and the most graceful varieties of flowers.

This year there are many beautiful new designs in table covers; they are mostly made of renaissance lace with sprays or garlands of one variety of flower embroidered in natural colors on the outer border; of course where such covers are used only the same kind of flower or at least some of the same flowers can be used by the florist; for instance, the embroidery may be pansies, then of course we must use a cut glass vase or bowl of pansies, principally light colors, and place just a very few of the flowers without foliage on the cloth, and a few on the table beyond the cloth. The beauty of the cloth must not be covered up and your flowers will show up all the better for it. Remember this, when you are called upon to decorate a table—the cloth or cover upon it should be seriously considered and delicately treated if good taste and common sense should demand it.

Cut glass or green Venetian vases, dishes or bowls, whatever class they may belong to, are the best to use; those that will allow you to arrange low effects are most preferable. Simplicity must always be your guiding star for the breakfast table, and all you can use is a vase of flowers in the center and that should be either

of sweet peas, pansies, flowering shrub, jonquils or some such flower. If the lady dines in her own room just a rose or a spray of some such flower is put on the side of the tray. There are neither finger-bowl-sprays nor boutonnieres wanted at these informal affairs.

Carnations are a good flower for the lunch table, and the pink varieties, either light or dark, but self-colors and on stiff stems, are the best. Use a little carnation foliage and a few buds with them and nothing else. Almost any grower will send foliage with his carnations if requested to do so, and it should be more generally used than it is, there is nothing more appropriate.

Nasturtiums or tropaeolums make a most effective vase for small tables, and the stiffness of daffodils or trumpet narcissus can be greatly lessened by having a few *N. campenelle* in amongst and a little above them; even these flowers look best with some of their own foliage, and if a spreading, graceful design is wished, use a few light tips of *Asparagus tenuissimus*, but have all your green subservient and not a rival to the color of the flowers. A cluster of *mignonette* will often enhance the beauty of a vase of yellow flowers but the *mignonette* should never be more than one-fourth of the whole. And whilst we are talking about this flower we cannot help thinking that the desire to produce gigantic spikes of *mignonette* cannot emanate from the aesthetic mind; there is very little beauty about those stiff spikes and the retail florist makes little or no money out of them for the reason that most customers look upon *mignonette* in the same light as they do any other greens and they dislike to pay for it.

Miniature Caddy bags with small golf sticks fastened to the sides and a bunch of daisies or arbutus stuck into the mouth of the bag makes a most appropriate favor for Golf Club affairs; tie the colors of the club on the bag.

If your customer is tired of everything in the usual run of dinner decorations and you can get some shrubby *calceolarias*, suggest them; they make the most brilliantly gorgeous effect; the colors are simply magnificent. There is nothing like them. If possible use one color. Get a flat dish or basket, cut half the roots of the plants and fix them so that very little foliage will be seen; you can do this by facing some outwards.

One of the finest centerpieces can be made with crimson or scarlet cannas, but they must be put in vases of water and carefully handled; their own foliage is too coarse, a little *asparagus* or delicate fern goes better with them. Orchids just at present are scarce. *Dendrobiums* seem to be the most plentiful, but they are only fit for window or general house decorating; if in the latter a few

sprigs of *Asparagus Sprengeri* put amongst the stems will make them presentable.

Here's a pretty lunch or tea table. Get a lot of strawberry plants in flower and fruit; plants grown in pots have little foliage and are what we have in mind. Arrange them in a large salad, fruit or cake dish, raising one or two plants a little above the rest; let the fruit show well around the sides. Strawberries should be a prominent feature on the menu and they should be arranged in green dessert dishes with a few leaves and form part of the decorations of the table.

Seasonable Flowers.

Cinerarias, that is the white and purple colors, are all right for funeral work, though they scarcely pay to grow for that, and they seem to jar on the nerves when used in any other way unless in private collections.

Clematis paniculata; yes, wouldn't it be grand if we could get it in bloom in the winter! I wonder if any one has tried it; even as greens in pots it could be used to advantage on many occasions. *Bougainvillea* makes the finest picture imaginable hanging over and down the side of a mirror; don't spoil its gracefulness or beauty by tying it up in formal lines, let it hang as if growing there, and if you want to heighten its color put a neutral colored vase of pale yellow or white flowers on the opposite side.

That bunch of *Jasminum gracillimum* looks all right at the side of that bunch of *Meteors* or *Jacques*; a sprig or two in that box of flowers will not be out of place. Yes, let's have more *Jasmine*; let a good big plant of it run wild in your greenhouse.

Imantophyllums, or any of the *amaryllis*, are just what are needed where large vases are used in house decorations. Don't put roses or carnations or such flowers in a Japanese room if you can get the kind of flowers that are more identified with Japanese art; there are a few kinds of iris coming in already and they are welcome to the kaleidoscopic scene the flower market presents just now. Don't despise the calla lily too much. There was a time—but never mind—they are O. K. yet if you fix them right. *Asparagus* for greens and gauze ribbon for a bow will make a flat bunch of them compare favorably with a good many other flowers.

White double-flowered stocks are good at present; they are fine for funeral work though a great many people like them amongst cut flowers. If you have any good *Daphne odora* you've got a good thing; there's nothing finer for cut flowers; don't forget to put it where your customer will get the full benefit of it; it's the best of all flowers just now where a spray is wanted for small vases or particular favors.

Lilium Harrisii is very abundant at present and if you are lucky enough to catch a good wedding decoration order, you can afford to spread out a

good deal on lilies. Don't scatter your flowers too much when arranging them in either house or church; straggling zigzag rows of flowers never produce the effect that good clusters do. One of the best things introduced for years is the high vase design now used for church weddings; this consists of a wire stand about 7 or 8 ft. high, the top shaped like a vase; they can be put each side the altar, or as is sometimes the case, put in rows about 25 ft. apart down the middle of the center pews; they are first prettily greened, then a mass of lilies or long stemmed roses is put in the top; the effect is very fine and is a great improvement on the arches, bells and canopies.

Violet cords with tassels have been used for some time by a few florists in New York instead of ribbon for violet corsage bouquet. We cannot say they are pretty. A good bunch of violets needs no millinery stuff attached to it, and the present style of fancy

lace vests scarcely agrees with many florists' ideas of streamers of rope or ribbon. Of course we are aware that much is done to give impressions on opening the box, but unfortunately the whole "get up" is worn by some.

Most of you have either a vase, tub or window-box in front of or around your store. Clean it up and fill it handsomely with fine large pansies; it might induce many of your customers to do likewise. Try to get the hotels, clubs and prominent houses to have patches of pansies about them somewhere, and see that they are the proper colors and are planted well. A very large business can be done and much satisfaction given by carefully attending this class of work.

We shall treat upon "Decoration Day" plants and designs in another paper. In the meantime look to your stock, particularly the roses in pots. "Memorial Roses" will be in demand more than ever for we have more heroes to remember. IVERA.



Early Planting.

Our customers are much inclined to leave the planting of their garden to the end of May, or till all danger of frost is over, a good plan with tender plants like *Coleus* and *Cannas*, or those that are injured by frost, such as our common geraniums, but a waste of time and opportunity with several of our favorite plants. Tea roses, carnations, hollyhocks, pansies and all plants which endure our heavy frosts of winter should be planted out at once. You can save several weeks in time and the plants do much better than when transferred to the open ground in semi-tropical weather. There is a growing indication among our patrons who have any garden at all to want some plants that they "can pick from." So be prepared with carnations, heliotrope, pyrethrum, lemon verbena, mignonette, tea roses and the popular annuals.

Thousands of hybrid perpetual roses are planted annually with very poor results. Worn out gardens are the worst places for roses, but if the soil is fresh and there is light and air, what can be more satisfactory than many of the tea roses. A good plant from a 4-inch pot will begin to flower in July and get better and better as the season advances, and the finest buds are picked long after our first

light frosts. If winter kills them, the loss is not more than that of a geranium. *Mermet* and its beautiful sports are not free enough for outside culture, but the older varieties were a great success. On a spot now covered with glass, in a heavy clay loam, we have cut from a few hundred plants cords of *Safrano*, *Sprunt*, *Duchess de Brabant* and *Bon Silene*. These old roses are worth growing for this purpose alone. *Carnot* is a fine summer rose, and many of the old teas, difficult to find except in nurserymen's catalogues; will give great results. Hybrid perpetual roses are too often very disappointing; they should be under the care of a gardener, not the "hired man." They flower but a week or two, the *Manetti* stock outgrows the rose, and "what shall I do for the bugs on my roses?" is heard all over the land. I recommend tea, hybrid tea and *Bourbon* roses to my customers, with the assurance that they will get more satisfaction from them. The tree peddler sells the H. P. because it is a larger price and a larger flower. The department store sells them because they want the same treatment in handling as dried fish.

Hot-Beds.

Even with the help of hot-beds, which are a relief, it will be a very crowded time with us till we begin our

heavy planting out, which with us is not much before the end of May, but many things can be put into cold-frames; even geraniums that are well advanced in growth will do finely in a cold-frame, and you have the advantage of being able to lift the sashes off for two weeks before planting time, which hardens them off and fits them well for enduring the blazing sun when planted out. Feverfews, ageriums, carnations, and all our summer annuals, are better in the cold-frame than in the greenhouse.

Avoid Shading.

Avoid as much as possible shade on any of the houses. Ceasing to fire and shading the houses is a combination of conditions that is most unfavorable for most of our soft-wooded plants, and with Coleus, acalyphas and canas, really tropical plants, it is murder. A fire at night on cloudy or wet days is many times the price of the fuel in your pocket. Of late years we have found it profitable to continue firing in all plant houses till near the 1st of June. (This does not include carnation houses; quite the reverse; except a violet house, they do without fire heat the easiest of all.)

Instead of shading your geraniums, fuchsias, heliotrope and coleus, when standing them over, and they need it a time or two before market time, put some material between the pots; it stops evaporation from the sides of the pots and for other reasons it is a great help to the plants. Notice a bench so treated compared with one without it and which wants water twice a day; you will gain a third in stoutness and size of plant. Any material will help, but there is nothing equal to refuse hops from a brewery; the odor may be disagreeable (even if familiar) for a few days, but will soon pass away, and there is something arising from it that is plant food to the leaf. These refuse hops are by no means waste, for when well rotted they are a most excellent substitute for the best kind of leaf mould. Many plants thrive finely when there is a fourth of spent hops added to the loam.

Smilax.

I suppose you renew your smilax bed every year. If you don't, you ought to. It has been quite scarce lately. Asparagus of various kinds and maiden hair ferns have their exalted positions, but the old smilax will always be wanted. The plebeian wire frame will always want to be encircled by it, and there are other uses. Messrs. Goldring Bros. told me last year that they not only agreed with me in planting every year, but planted for every crop. That's too much of an up-to-date system, but every July, as near the first as possible, plant a fresh bed in a heavy loam 5 or 6 inches deep, with a fourth of decayed animal manure, 7 or 8 feet of head room, a temperature of not less than 60 degrees at night, and you will cut four crops in the twelve

months, and much better strings than from an old bed. But you won't have these nice well-furnished-from-the-bottom strings unless you have good 3-inch plants ready by July. You perhaps have noticed that smilax when about two months from the seed box makes a small spindling growth of a few inches; the next growth is strong and will make strings, so the young plant should be ready to make those strong growths when put in the bed, and you will then soon get the first crop; but you won't get this kind of plant if you keep the little pots under a cool bench. Select just as many plants as your bed requires, no more or less, and get them into 3-inch pots and treat them decently. It's no use having a few hundred to spare because a neighbor may want them. If you asked him \$2 per hundred he would tell you Messrs. Rasum & Shipem advertised them at \$7.50 per thousand, so don't encumber your valuable benches with what is not going to be profitable. The knowledge of what to throw away comes next in ability to knowing how, when and what to grow.

Chrysanthemums.

There is one thing now taking up considerable room with us, and that is old plants and flats of stock chrysanthemums. The last batch of cuttings can now be taken off and the old stock thrown out. Later batches can be obtained from the young plants in abundance. The mum is a very free, easy thing to propagate when the houses are cool and your sand warm, but when the conditions are reversed they hang fire and wilt easily on warm days, even if they are shaded. This wilting is overcome and rooting hastened by a regular and copious watering; a good soaking twice a day is not too much. Wm. Scott.

NEW YORK.

The Bridgeman Failure.

The principal topic for discussion 'mong the florists of these parts at present is the Bridgeman Company's failure, that concern having made an assignment to Walter F. Sheridan April 20, with liabilities somewhere around \$20,000, assets supposed to be about \$14,000. Most of the leading wholesalers are in the pie. Mr. Bridgeman, the reputed head of the firm, was formerly with Thorley. Two years ago the Bridgeman Company opened the store at 34th street and Broadway. The failure comes in the nature of a surprise inasmuch as it was reported that Mr. Bridgeman had but recently won a law suit against Thorley for \$30,000. These large nuts of unlimited and indiscriminate credits are hard to crack.

The Market.

Mildew is becoming the chief feature of a lot of the rose stock coming in, but it's often so at the end of the season; the returns barely pay for

water, much less the coal. Still it has been worse, and then again your commission man must stand for bad debts, and as Willie Plumb used to say, "What's the odds so long as you're happy." The prices this week were Maids, Brides and Meteors, 1 to 5, Jacques 3 to 8, specials 8 to 15, Beauties 2 to 5, specials 5 to 20, Carnots 1 to 3, Valley 1½ to 2, Violets 15 to 35 per 100, Smilax 25, Asparagus plumosus 30 to 50, gardenias 8 to 10, pansies 15 per 100, Swainsona 25 per bunch.

Smilax is very scarce and at a time too when it is most wanted; the total failure of the southern smilax crop greatly inconveniences those who have decorations on hand. Sickly looking Harrisias are to be seen almost everywhere and the price is "get what little you can." That cross between longiflorum and Brownii will never be popular here unless it is grown better than those sent in this spring; the flowers are too flabby and ungainly.

Various Items.

The plant markets and auction rooms are all in full blast and seem to be doing a rushing business. Some day we might get up another Covent Garden here which would enable us to do more.

Tulips and other bulbous stock are in bloom in the parks, but shrubs seem to be backward somewhat.

Delmonico's, at 26th street and Fifth ave., famous in the annals of American floral art, is closed. It was the demand for flowers occasioned by the exacting fashions and good taste of this grand old house that first started and afterwards encouraged the florist's business here. The cream of the flowers grown around New York up to 10 or 12 years ago eventually found their way into Delmonico's. There are very few "old timers" who do not remember the red and blue rooms and the old banquet hall.

Theo. J. Lang has moved into his new store at 670 Sixth ave. It is very prettily arranged and decorated, is in a better location than the old store, and Theodore's acquaintance who is not a friend is too small to be an enemy.

C. W. Ward of the Cottage Gardens, Queens, L. I., is away on a trip to Detroit, Mich.

William R. Smith, of Washington, D. C., the "Grand Old Man of Horticulture," is visiting our city, some tell us for the purpose of adding to his famous collection of "Bobbie Burns" tuneful lays; whether it be so or not we are all glad to find him 'mongst us again and hope he will be with us "many a time and oft."

A large collection of Japanese plants belonging to Yamanaka & Co., of Dorchester, Mass., and Japan, were auctioned off at 238 Fifth ave., April 20, 21 and 22. It was claimed that the stock had been grown for three years at Dorchester and romantic legends of royal gardens, etc., centu-

ries ago, were tagged on many of the plants. The auction room on an occasion like this is a splendid place to study people. Men and women who would never pay above \$10 or \$25 for a plant in your store will pay hundreds of dollars for Japanese scrags in an auction room. Mrs. So and So, who gave you the devil about that fine rhaps you sold her, comes here and pays twice the amount she gave you, for a rhaps with two leaves and a Shigaraki pot, simply because it's Japanese.

There is no doubt about it, the Japanese are cute little fellows; the fairy tales they put 'round their crippled stunts of trees manage to extract the dollars from the American crank and somehow or other we cannot blame them, and yet it injures the plant trade here in this way: These plants die very soon and the people become too disgusted to spend more money. We are inclined to believe it is the reputed age and manner of training the trees that make them appear valuable, but even admitting that the soil of Japan is poor and the different elements peculiar to that country conduce to diminutive growth, it is simply ridiculous to give credence to the stories that a twig 9 inches high can be 75 years old or that a retinospora 2 ft. high can be 300 years of age. Put a cutting in now and train it as they do, it will be as good as theirs in ten years or sooner, or better still get an old stump and prune it in and twist it and you have the thing much earlier. These observations are not made for the purpose of injuring Japanese trade; oh, no! They are written for the benefit of American florists who are asked by their customers to care for these auctioned plants. To these, our friends, we say, refuse to take them on the ground that they cannot be depended on to live.

As to the art displayed in Japanese stock, they deserve great credit for it, and we shall dwell upon it later. Now as to prices obtained for these plants, small bamboo bushes in cheap vases brought from \$2 to \$5; grafted maples from \$2 to \$6; grafts brought from \$3 to \$7; trained *Pinus densiflora* brought from \$2 to \$12, one specimen 36 in. high, said to be aged 270 years, brought \$120; *Pinus parviflora* brought better prices, one 27 in. high won \$70, another 200 years old and 2½ ft. high took \$125, and so on. But it was the Chabo Hiba, or what we know as *Retinospora obtusa nana* that brought out the wild scramble; one specimen 75 years old, height 30 inches, brought \$240, another piece of the same variety got the highest price of the sale, \$397.50; this was supposed to be 300 years old, height 3 ft., width 5 ft., and it went to Boston, too. There were any amount of *R. obtusa nana* sold for from \$20 to \$90. One group of small *Cycas revoluta*, 36 stems fixed on mountain sponge, fetched \$50. Japanese miniature gar-

dens brought good big prices, and we saw a lady give \$5 for an *Aucuba japonica* stump with 10 leaves on it. One *Sciadopitys verticillata*, 95 years old and 3 ft. tall, captured \$125 in American money. A larch just up to your knee \$28, *Podocarpus* var. 25 inches high \$30. Bits of camphor grass growing on soft stone brought out from \$2 to \$4 each, and so on down a list of stock we in this country would have to pay the ash man to cart away, but—they came from classic Boston and were trained and reared in far away Japan.

Bowling.

New York florists for some season or other do not take kindly to bowling, and no one can assign any reason for it; one or two members of the club have worked hard for years trying to keep together a team that would do credit to New York whenever occasion might arise, particularly at the bowling contests at the national convention. All these efforts seem to fail. It is true that a few of the faithful have stood by the guns through thick and thin, but that merely a few should belong to the section or attend the alleys was not the sense of the meeting which voted \$100 to pay expenses.

The members cannot be suffering from the impression that they can bowl well without practice for they have been often beaten on their own field. Of course there is a wonderful variety of forms of entertainment in a small village like New York, and an occasional absence ought to be excused for that reason, but where is New York's reputation going to be at Detroit, or even in Hoboken should they have a team there. We should have some pride in our sporting as well as in our horticultural ability. There were only four at the alleys tonight and only two games were rolled. Following are the scores:

Leuly	127	193
Hafner	129	147
Penman	133	96
Donlan	123	96

IVERA.

ST. LOUIS.

The Market.

The general verdict is, that business the past week has not been very encouraging and those who were busy had mostly funeral work. There is plenty of stock in the market and very little sale for it. The fact is the market is in worse condition than ever. The warm weather towards the end of the past week rushed the crop in at a rapid gait and even with good trade it would have been hard to dispose of. The down town dealers say that the transient trade is almost entirely monopolized by the fakirs and Cheap John stores. Their signs in the windows read: Carnations 10 cents per dozen; roses, 25 cents per dozen, and so on. But what more can we expect when 'dry goods men, black-

smiths, undertakers and bricklayers can go to the wholesale houses and buy a stock of flowers and put out a sign "Florist." They know nothing of the business and will sooner or later get their fingers burned, but it hurts the legitimate florist more than one has an idea of.

There is no settled price on anything in the out flower line. Roses are held at \$1.50 to \$4, but the bulk of the stock is sold for much less. Brides, Beauties and Meteors are the only roses for which there is a demand. Good Beauties bring \$12 to \$20; Meteors and Brides \$4 to \$6 for choice stock and there are plenty of them in the market for everybody. Carnations are overplentiful, especially the scarlet sorts. Portia has to be sold at a low price to dispose of them; Scott, Daybreak and Flora Hill are fine and in fair demand; choice fancy stock bring \$3; the general stock goes for 75 cents, and the bulk at 50 and 60 cents, in large lots at even less.

The bulbous stock is fine and plentiful. Lilies are extremely plentiful and it is not possible to hold them at any regular figure. The wholesale men say they have to sell them at almost any offer made. Tulips, daffs and Dutch hyacinths are coming in freely and are selling very cheap. Good valley brings \$3; violets are selling very slow and quantities of them are going to the dump pile. About the only thing the wholesale men have orders for are ferns. Smilax is selling as high as 25 cents per string and it is not overplentiful at that.

Various Items.

Union Market is fairly alive with plants of all kinds and the past week was a good one. They report that business so far this spring has been very good.

The plant peddlers' wagons, loaded with all kinds of blooming plants, are seen in large numbers in the residence districts.

The chrysanthemum show committee held a meeting Saturday night to work on the preliminary list, which will soon be in the hands of the printer. The committee has now on hand \$500 in special prizes, this with the Shaw prize of \$500 making \$1,000. The next meeting of the committee will be held just as soon as Secretary Schray is ready with the preliminary list.

Mr. John H. Dunlop, of Toronto, Canada, sent us a box of his new rose Lady Dorothea, which was intended for the club meeting, but came three days late and did not reach us until Saturday morning. What was left of them on opening the box could not be judged. From all appearance the roses were very fine and we hope that Mr. Dunlop will send us some for our next meeting, which will be held May 11 at 3 p. m.

Mr. J. M. Jordan, who has been very sick for some time, is reported some-

what better, but still unable to leave the house.

Bowling.

At the Bowling Club the members rolled five games and the scores made were an improvement over last Monday night. This ends the April series of nineteen games. Our visitors were D. McRorie, New York; E. W. Guy, and Dr. Halstedt of Belleville. The scores are as follows:

	1	2	3	4	5	T'l	Av.
J. J. Beneke	143	175	169	159	154	800	160
C. A. Kuehn	160	170	143	118	160	751	150
John Kunz	137	153	122	129	162	703	141
John Young	131	136	144	...	...	411	137
C. C. Sanders	99	141	164	...	...	401	135
D. McRorie	117	155	158	132	161	723	144
E. W. Guy	123	125	...	...	...	248	124
Dr. Halstedt	80	116	...	...	...	196	98

The scores of the April series of 19 games, including the averages and high scores, are as follows:

	No.	G.	Total.	Av.	H.	S.
C. A. Kuehn	19	2,780	146	184		
J. J. Beneke	19	2,752	145	176		
C. C. Sanders	16	2,203	138	172		
Carl Beyer	4	534	133	159		
E. Schray	5	652	131	163		
J. W. Kunz	19	2,771	130	162		
John Young	12	1,548	129	149		
F. J. Fillmore	9	1,006	112	137		

J. J. B.

BOSTON.

Review of the Market.

The week just passed has been a genuine forerunner of the cut flower business in midsummer, and the fakirs have been right in their element, and the cry of "One dozen nice roses for a quarter" is heard on every corner.

Carnations, being somewhat off crop, have done a little better than the roses, but much lower prices prevail. On the whole, it has been in the line of good judgment to accept the first reasonable offer.

Roses are out of it, the call being light, and with an extraordinary supply, owing to elegant weather. Common varieties, such as Brides and Maids, are quotable from \$2 to \$8 per 100, sales at the latter figure being very few. Jacks have the call, selling from \$1 to \$3 per dozen; Beauties feel the effect of the Jacks and are quiet, prices asked running from 25 cents to \$3 per dozen. Carnations of average quality range from \$1 to \$1.50 per 100; good quality Daybreaks bring \$2, fancies from \$2 to \$5; demand very limited.

Violets are laid on the shelf, \$2 per 1,000 being an asking price. The May flowers are now coming in very freely and have affected very much all greenhouse stock. Longiflorum and calla lilies go slow at 50 to 75 cents per dozen. Bulb stock still plenty at from \$2 to \$3 per 100.

The News.

At an animated meeting of the Mass. Horticultural Society it was voted to sell the present building, same being inadequate for the growing demand of

the society, and to purchase land and erect a new building, on Huntingdon avenue, in the Back Bay district.

The usual spring sales of plants were inaugurated this week by N. F. McCarthy & Co., who held two sales of hardy roses and other shrubs, which were from well known Holland nurserymen. Prices averaged about the same as in former years, roses bringing from 8 to 12 cents, azaleas 25 to 50 cents each, Bays \$6 to \$8 each, evergreens in variety from 40 cents to \$4 each.

At the usual Saturday exhibition Mr. Edward Butler showed an elegantly grown plant of Dendrobium densiflorum and was awarded a silver medal. Geo. Hollis exhibited a large variety of geranium bloom and James Comley a fine collection of tender Rhododendrons.

P.

BUFFALO.

At last but only lately spring is here. In some shady nook where snow lay deep all winter you will see a tulip in flower, and ten feet away, where frost went down five feet or more, their leaves are only just above the ground. Business outside of the white flower trade has been rather quiet, with an abundance of choice flowers to choose from. Violets still come from the banks of the Hudson almost as fine as in February. Carnations are at their best and so are roses, with plenty of valley and mignonette and tulips and everything else.

Mr. A. L. Thrall has closed his handsome store at 588 Main street and removed his costly furniture to Jamestown, where it is presumed his energies will be utilized in running the grand lot of glass in course of erection by Mr. Broadhead.

I had a run through our principal retail market this morning. A year or two ago the writer was very active in advocacy of a market in his locality. To look back at that period convinces us we must have had an acute attack of water (or vegetable) on the brain. These public markets are an abomination, a relic of barbarism. There is nothing excepting perhaps hay that needs any public place to display the product that cannot be better done in a store or shop. There is always favoritism shown in the leasing of the stalls; the rent paid is so nominal that in any commodity they can undersell the storekeeper. Some great cities have no public markets, some have the nuisance in the shape that we have it, and some, like Erie, Pa., have the main streets and sidewalks blocked up with hucksters' wagons, showing no progress from the days of Pharaoh the 17th or Belshazzar the 9th, in the days of ancient Memphis and Nineveh, when fish, frogs and captives' ears were offered to early epicureans.

If all the flower stands were in a row it would be less objectionable and

much to the advantage of the vendors. As it is, our florist market people are scattered all over the two or three acres and between them is everything that is good to eat, and some (judging from the smell) very bad to eat. The consequence is that instead of the innocent flowers imparting their natural sweetness, you find the heliotrope with the flavor of the catfish, a rose geranium smells like limburg cheese, and a carnation like sour kraut. But that makes little difference for the patrons and merchants of a public market are so permeated with the amalgamated and conglomerate odors they are oblivious to all but garlic. Nevertheless, with all these disadvantages the business done in flowers and plants on the markets is very considerable, especially in plants, and now you can purchase at several of the stands shrubs, herbaceous plants, herbs and vegetable roots.

It would be better for the whole community, landlord, tenant and all the citizens at large, if a whirlwind were to scatter these markets to the four corners of the city and let the site be turned into a loafers' lounge. There will always be loafers, and as they can't draw anything at the bank, they must have a place to draw their breath.

Excuse the association of ideas (entirely unintentional), but we have had several drummers of late to keep us awake, chief among them Joseph Rolker, Mr. Van Zanten, Mr. Ouwerkerk and Mr. Haerens, of Haerens Bros., Ghent. Mr. H. does not look as if he had a million-dollar banker at his back, but he talks his specialties most understandingly.

W. S.

WASHINGTON.

Business since Easter has been good, stock of all kinds is coming in plentifully, and quality fine, but the bottom has completely dropped out of prices. Roses, the finest of all kinds, selling for 6 cents, while several of the up-town stores are advertising them at 50 cents per dozen. Sweet Peas are coming in and are fine, bringing 50 cents to \$1 per 100; Gladiolus, \$1 per dozen; carnations, \$1.50 to \$2 per 100; lilac plentiful at 10 cents per bunch.

Visitors.

B. Eschner, of M. Rice & Co., and H. Bayersdorfer, of Philadelphia; F. W. O. Schmitz, Jersey City, N. J., and C. H. Joosten, New York.

F. H. KRAMER.

AN EXTRA PRIZE.

The Quaker City Machine Works, Richmond, Ind., offers a \$25.00 set of Evans Challenge Ventilating Apparatus as a second prize in the International competition in cut chrysanthemums at the Chicago exhibition next November.

SEED TRADE ASSOCIATION.

The annual meeting of the American Seed Trade Association will be held in Cincinnati, O., June 13 to 15.

NEWPORT, R. I.—The schedule of premiums for the eighth annual chrysanthemum show of the Newport Hort. Society, to be held November 14, 15 and 16 next, has been issued. Copies may be had on application to the secretary, Mr. W. T. Burton, this city.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

WANTED—A trusty man who understands growing roses, carnations and general stock, on small place, wages \$25.00 per month, room and board. Address B, care of Florists' Review.

WANTED—An active, sober and reliable man to take charge of 65,000 feet of glass; must have some cash to put at stake to guarantee good faith and confidence; no one need apply except a man of experience and ability. Address B. Frank Barr, Lancaster, Pa.

SITUATION WANTED—By first class all-around florist; 17 years' experience; able to take charge of place. Address F. Sahan, 354 S. 4th St., Aurora, Ill.

FOR SALE—Two double greenhouses, 25,500 sq. ft. of glass, and 20-acre farm half in bearing fruit trees; 8-room house, barn and out buildings all in good order; 30 miles from Philadelphia. Death of owner reason for selling. Full particulars by addressing E. M. Hewitt, 639 Grape Street, Vineland, N. J.

SITUATION WANTED—By first-class grower, as working foreman; age 20; 15 years experience in growing roses, carnations, mums and general bedding plants. Address Grower 113, care Florists' Review.

WANTED—Rose grower, to take charge of section. Wietor Bros., 51 Wabash Ave., Chicago.

SITUATION WANTED—By young man, 5 years' experience in commercial work. Address J. J., care of Florists' Review.

SITUATION WANTED—By active and thoroughly reliable young man, 3 years' experience in roses and ferns. Address J. Bockman, Pittville, Philadelphia, Pa.

FOR SALE OR RENT—The Morton Grove Greenhouses, 14 miles from Chicago; 27,500 feet of glass; 11 houses 20x100, 2 houses 9x100; 2 acres of ground with dwelling house; plant is complete and in first-class order, having been rebuilt last year; well stocked with plants; present owner engaged in another business. Might be willing to form partnership with a first-class grower with some cash. For full particulars apply to P. Kreismann, 27 Market street, Chicago.

FOR RENT OR SALE—First class retail stand, 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

SITUATION WANTED—A first class florist and decorator, at present employed by one of the most progressive and up to date florists in the country, wishes to make a change. Full particulars may be had by addressing G. W., care of Florists' Review.

BUSINESS OPPORTUNITY.

A rare opportunity is open to a hustling business man with some capital to get into a well established and profitable business. A chance of a life-time. Those meaning business may obtain particulars by addressing

ROX, care of Florists' Review.

Exeter Boiler Sections.

Any one using Exeter Boilers can purchase from us, at a very low price each, one hundred and twenty second-hand Sections in perfect order.

American Rose Co., Washington, D. C.

Mention The Review when you write.

Simplicity in Greenhouse Construction.

During our long experience we have not only made many improvements in greenhouses, but we have so simplified the construction that building a greenhouse is no longer a matter so full of complications as to tax the patience and the ingenuity of even the most intelligent mechanic. Our

Clear Cypress Building Material

is worked out in the best manner ready to be put up, and we furnish our customers such complete detail drawings that any workman of only ordinary capabilities can put it up correctly.

Write for Circulars
or Estimates.

Lockland Lumber Co.

LOCKLAND, OHIO.

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McKELLAR & WINTERSON,

Wholesale Florists,

45-47-49 Wabash Avenue.

CHICAGO.

OUR SPECIALTIES:

We have the
LARGEST WHOLESALE
House in Chicago.

Orchids, High-Grade Roses,
Carnations and Violets.

Full Line FLORISTS' SUPPLIES, Seeds, Bulbs, Hardy Stock.

Mention The Review when you write.

BENTHEY & CO.

F. F. BENTHEY,
Manager.

Wholesale and Commission Florists,

41 Randolph Street,

...CHICAGO.

Consignments
Solicited

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FOR SALE—Rare Chance

A well established and paying florist's business, consisting of 12,000 sq. ft. of glass, centrally located on principal thoroughfare of thriving city in gas belt. Population 25,000. Only greenhouse in city limits. Death of proprietor reason for selling. For particulars address

MRS. HENRY MICHEL, Marion, Ind. (Grant Co.)

WHO HAS PRIMULA SINENSIS in good colors that will bloom through the summer in cool climate? Not overgrown. Give price and colors or mixed, to be delivered last of May. Also wanted summer-flowering Forget-me-nots. Address H, care Florists' Review

Wholesale Price List.

	Per 100
Beauties, long.....	\$18.00 to \$25.00
" medium..	10.00 to 15.00
Maids, Brides, Me- teors.....	3.00 to 5.00
Perles.....	2.00 to 4.00
Carnations, long....	.75 to 1.00
" fancy ..	1.50
" fancy sorts	2.00 to 3.00
Harrisii.....	5.00 to 6.00
Callas.....	5.00 to 8.00
Violets.....	.50 to .75
Valley.....	3.00 to 4.00
Daffodils.....	2.00 to 3.00
Tulips.....	2.00 to 4.00
Marguerites.....	.50 to .75
Smilax.....	20.00 to 25.00
Adiantum.....	1.00
Asparagus.....	50.00 to 75.00
Common Ferns.....	.35

For Sale at a Great Bargain...

50 glazed hot bed sash, 8 ft. x 5 ft. 6 inches; well painted, used only two seasons. Cost \$2.00 each; will sell now for \$1.00 each, f. o. b. cars here.

THE VIRGINIA FLORAL CO., Lindsay, Va.

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Florists' Review

When Writing Advertisers.

E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention the Review when you write.

GRAND RAPIDS.

Flowers are fairly plentiful and out-of-town trade still brisk. There has been quite a large amount of funeral work, which has helped to keep down the supply. Violets are getting poor, most of them having been thrown out to make room for bedding stuff.

The last club meeting was held at Henry Smith's home and greenhouses. The Grand River Valley Hort. Society held a meeting during the day, to which the florists were invited, but a severe rainstorm kept most of them from attending. Those present had an enjoyable time and wound up with a banquet. The principal topic before the meeting was the unprofitable low prices on bedding stock, and as the price of every other commodity is going up, why not take this opportunity of restoring the old rates? With this end in view, a committee consisting of Henry Smith, Tony Renwick and George F. Crabb was appointed to make out a schedule of rates and submit the list for the signature of every grower of bedding stock. This plant trust will be a go. A meeting of the committee will be held Saturday night at Henry Smith's store.

GEO. F. CRABB.

PROVIDENCE, R. I.—The annual spring exhibition of the Rhode Island Hort. Society was held April 19. The leading exhibits were roses, carnations and pot plants. N. D. Pierce showed a collection of seedling carnations that included a number of very promising sorts. Farquhar Macrae exhibited a collection of finely grown standard varieties of carnations and roses.

SHENANDOAH, IA.—O. B. Stevens will considerably enlarge his establishment this season.



WHOLESALE FLORIST,
11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.

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REINBERG BROS.

600,000
FEET
OF
GLASS.No
charge
for
packing.Wholesale
Growers of**Cut Flowers**

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.**51 Wabash Ave., CHICAGO**

Mention The Review when you write.

Wholesale Price List.**AMERICAN BEAUTY**

Extra long stem... per doz. \$3.00

24-inch stem..... " 2.50

20 " " " 2.00

15 " " " 1.50

12 " " " 1.25

8 " " " 1.00

METEORE..... per 100, 3.00 to 5.00**BRIDESMAID**..... per 100, 3.00 to 5.00**BRIDE**..... " 3.00 to 5.00**PERLE**..... " 3.00 to 5.00**CARNATIONS**..... " 1.50 to 2.00

fancy " 2.50 to 3.00

Quotations subject to change without notice.

All other stock at lowest market prices.

Bassett & Washburn

88 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of
and Dealers in **CUT FLOWERS**

Greenhouses at Hinadale, Ill.

Mention The Review when you write.



Our prices are as low as any
and our stock superior.

We ask for a trial order.

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A. L. RANDALLTelephone
1496

Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better
prepared than ever to handle your orders.

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WHOLESALE DEALER IN
GROWER OF ROSES. CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.

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**Cincinnati
Cut Flower Co.**

416 Walnut St. Wholesale Florists
CINCINNATI, O.

Consignments Solicited.
Special Attention Given to Shipping Orders.

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C. A. KUEHN WHOLESALE
FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral
Designs. A full line of supplies always on
hand. Write for catalogue and prices.

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Mention Florists' Review when you write.

**H. G. BERNING,**(Successor to
St. Louis Cut Flower Co.)**WHOLESALE
FLORIST,**1322 Pine Street,
ST. LOUIS, MO.

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ELLISON & TESSON,

WHOLESALE SHIPPING

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

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**Maplewood Cut Flower and
Plant Co.** GEO. M. KELLOGG, Pres.

Growers of **CUT FLOWERS** at Wholesale.

Regular shipping orders given special attention. We
have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.

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Laelia Anceps Alba,

Just arrived in fine condition.

L. Anceps and L. Autumnalis expected shortly.

Lager & Hurrell, Importers.... Summit, N. J.

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KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES,
42 and 44 Randolph St., Chicago, Ill.

Long Distance Telephone Central 466.

New Carnation Evanston....

A Scarlet Tidal Wave.

We offer Rooted cuttings of this fine **NEW SCARLET CARNATION**, which is, in our opinion, the best scarlet carnation in existence. After a three years' trial it stands at the head as a money-making commercial sort, the blooms of extra quality and produced with great freedom throughout the whole season. The color is a clear, brilliant scarlet, the growth strong, clean and robust. No scarlet carnation will give more satisfaction or better returns than **EVANSTON**. **Rooted Cuttings, \$7.00 per 100; \$60.00 per 1000.** 500 at the 100 rate. These cuttings are grown by and may be obtained from M. Weiland, Evanston, Ill.; John Weiland, Evanston, Ill. and John Didier, Rogers Park, Ill.

**ROOTED CUTTINGS AMERICAN BEAUTY,
1000 ONLY. PRICE \$50.00**

WHOLESALE PRICE LIST.

SUBJECT TO CHANGE WITHOUT NOTICE.

We always ship Extra Select or High Grade Goods unless otherwise ordered.

P. and D. at cost.	Price per 100	P. and D. at cost.	Price per 100
American Beauties, medium	\$10.00	Harrisii	\$8.00 to \$3.00
" " fancy, fair length 15.00 to 18.00		Callas	6.00 to 8.00
" " fancy, long stem	80.00	Violets, fine .....	.80 to .60
Meteors, extra select	\$4.00 to 5.00	Valley	4.00
Brides, Maids, extra select	4.00 to 5.00	Romans	4.00
Brides, Meteors, Maids, good average	8.00 to 4.00	Narcissus	1.00 to 2.00
Perles, extra select	2.00 to 3.00	Smilax	18.00 to 20.00
Roses, our selection	3.00	Adiantum .....	.60 to 1.00
Carnations, extra select	1.50 to 2.00	Asparagus, per string .....	.50 to .65
" " good average stock	1.00	Galax	1.50 per 1000 .20
" " White	1.00 to 1.50	Common Ferns	40c
" " our selection	1.00		

Above prices are subject to change without notice. All flowers in season at lowest market rates. **FLORISTS' SUPPLIES and WIRE WORK a specialty.** On Wire Goods we can discount our own or any other list. Write for particulars. Our store open week days until 6:30 P. M.; Sundays and Holidays until noon only.

Mention the Review when you write.

The Imperial Violet.

Number of plants in full bearing, 2,970
 No. of No. 1 Violets picked in October.....30,500
 " " " " November...36,500
 " " " " December...39,000
 " " " " January.....23,595
 " " " " February....33,500

Average per plant of No. 1 blooms, almost 57

Isn't this a pretty good record? And for these I received from \$2.50 to \$1.00 per 100. Can you equal this? And the plants are still throwing as many flowers, if not more than ever.

I cannot begin to supply the demand for this superb violet; the way things look now, I shall not be able to supply the demand for rooted cuttings. If you get left, you will only blame yourself. My new book on Violet Culture goes with every order for cuttings.

The violet is the largest, most double, longest stemmed, color so dark as to look almost artificial; healthy; and as the record shows, a very free bloomer. The parent plant of this magnificent variety gave me 118 of the finest flowers you ever saw.

Price per 1,000...\$90.00 Per 100.....\$10.00
 per 500...45.00 Per dozen...1.50

Rooted Cuttings will be delivered as the weather will permit. Now ready, about 5,000. Address

**W. L. MINOR, 588 Belmont St.,
BROOKTON, MASS.**

Mention the Review when you write.

Ornamental Shrubs.

HERBACEOUS PERENNIALS.

A specialty of Iris, Phlox, Pæonies, Pyrethrums, Poppies, etc. Wholesale List on application.

JACOB W. MANNING,
 The Leading ESTABLISHED 1864.
 New England Nurseryman. READING, MASS.

Mention The Review when you write.

Asparagus Plumosus Nanus.

Per 100.
 1000 Asparagus Plumosus Nanus, 4-in. pots, \$15.00
 1000 " " " 5 " 18.00
 200 " " " 7 " 25.00
 800 " " " 8 " 35.00

Asparagus Seed, home grown, \$1 per 100, \$9 per 1000
 Write for prices on Carnation Cuttings.

W. F. Kasting, 495 Washington St. Buffalo, N.Y.

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GOLD FISH and AQUARIUM SUPPLIES.

Send for Price List.

KEENAN'S SEED STORE.
 6112 and 6114
 Wentworth Avenue,
 CHICAGO

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THE HARRISII DISEASE can be prevented by immersing the bulbs for 5 hours in a half solution of

Kraft's Plant Tonic

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills Hard Shelled Scale, Mealy Bug, and other insect pests without injury to the plant. Send for circular.

KRAFT PLANT TONIC CO. Rockford, Ill.

Mention the Review when you write.

The Florists' Manual

PRICE, \$5.00

SEND IN YOUR ORDER NOW.
 Payment need not be made until book is ready.

By WILLIAM SCOTT.

FLORISTS' PUBLISHING CO., 520-535 Caxton Bldg., CHICAGO.

ANTON SCHULTHEIS, P. O. Box 78...
 College Point, Queens Borough, N. Y.
 HEADQUARTERS FOR
PALMS and Decorative Plants in Quantity
 Come, see Ericas (Heather), also Full
 and convince yourself. Line of Other Flowering Plants
 Price List on Application.

Mention The Review when you write.

CHICAGO.

The Market.

There is no material change in conditions from last week, and though the market is not all that could be wished, it is holding up well for the season. Good Beauties are rather scarce, and high grade stock of others is none too plentiful, though there is plenty of lower grade. Quality is holding up well for the season, though summer effect is already visible. Carnations are especially abundant, as are also violets, the latter moving very slowly. It is the "moving season" and many people are more intent on getting settled in new quarters than shopping and flower buying.

The bulk of the Harrisii lilies are now cut out and what come in are being moved as a rule, though at very low figures. It is said that some growers with late lilies did not even cut the flowers, as it was a chance whether they would bring enough to cover express charges. But better things are expected, now that the bulk of the late crop is out of the way.

Club Meeting.

The paper by Prof. Caldwell proved an unusually interesting one and was much enjoyed by those present at the last meeting of the Florists' Club. We print the paper in full in this issue.

Peter Gross was elected to membership and Mrs. H. Hilmers presented to President Sanders a handsome hand-painted smoking set.

James Hartshorne displayed a vase of Mrs. Jas. Dean carnations that excited much admiration. The stems measured 3 feet 9 inches in length. He was awarded the club's certificate, the blooms scoring 87 points.

At the next meeting there will be a general discussion on "Progress in Greenhouse Construction."

Various Items.

Recent visitors: J. A. Evans, Richmond, Ind.; Meyer Heller, New Castle, Ind.; Carl Hirsch, Hinsdale, Mich.; John Bertermann, Indianapolis; F. W. O. Schmitz, Jersey City.

S. B. Winter is still confined to his home by illness.

The mother of Charles Balluff died last Thursday.

C. L. Washburn has returned from New Mexico. Mrs. Washburn is still at a health resort near Las Vegas.

Bowling.

Following are the scores and averages made at the alleys after the club meeting last Friday evening:

	1st.	2d.	3d.	Av.
Jas. Hartshorne	101	168	...	135
C. W. McKellar	104	155	...	130
E. Winterson	120	146	118	128
Jno. Degnan	122	155	100	126
A. Lange	109	136	...	123
P. J. Hauswirth	104	116	127	116
A. Henderson	94	145	93	111
H. Streening	101	134	97	111
Chas. Hunt	108	...	...	108
Jos. Reeve	82	105	106	98
J. M. Reardon	98	...	...	98



REGULAR SHIPPING ORDERS RECEIVE
SPECIAL ATTENTION.

WHOLESALE GROWERS OF Cut Flowers

51 Wabash Avenue, Chicago.

We Are Headquarters for...

AMERICAN BEAUTIES,
of which we cut from 2,000 to 3,000 daily. Our Brides,
Meteors, Maids and Perles were never better.

OF CARNATIONS

we grow 50,000 plants of all the leading varieties, and
they cannot be surpassed.

Mention The Review when you write.

DAHLIAS

By
the
Tens
of
Thou-
sands.



My prize winners carried off the highest National honors yet awarded the Dahlia—a diploma and gold medal at the Omaha Exposition. Get my catalogue before ordering elsewhere.
Box 382. W. W. WILMORE, Denver, Col.

Mention The Review when you write.

Hardy Perennials.

	Per 100
Clematis Davidiana, strong, 1 year	\$3.00
Eulalia Gracillima Univittata and Jap.-	
Variegata	4.00
Funkia Alba	4.00
Hemerocallis flava	4.00
Hollyhocks, double, separate colors, per	
1000, \$10.00	5.00
Helianthus Multiflorus Plenus and Soliel d'Or	4.00
Hibiscus, Crimson Eye	5.00
Iris Germanica	2.50
Perennial Phlox, fine collection	5.00
Pinks, strong clumps	5.00
Paeonies	8.00
Rudbeckia Golden Glow, per 1000, \$30.00	4.00
Spirea Polmata Elegans	4.00
Yucca Filamentosa, 2 years	8.00

All of the above are strong, field-grown stock.

VICK & HILL CO., ROCHESTER, N. Y.

Mention The Review when you write.

SMITH'S FAVORITE

This Geranium is a sport from the Prince Charles. It is a great bloomer, having double flowers, variegated and very pretty. The stem is from 4 to 6 inches long. I have cultivated it for three years. I have somewhere between 600 and 800 plants. I think there is none other like it in the United States. The flower will last as long as Carnations after being cut. I now offer them for sale for the first time, 3 at the dozen rate. Rates, \$3.00 per dozen.

Cash with order.

E. SMITH, NORTH STARK ST. GREENHOUSE, Waterloo, N. Y.
Mention The Review when you write.

WHOLESALE PRICE LIST.

	Per doz.
Am. Beauty, extra long stem	\$3.00 to \$4.00
24-in. stem	2.50
20-in. "	2.00
15-in. "	1.50
12-in. "	1.25
8-in. "	1.00
Meteor	per 100, 4.00 to 5.00
Bridesmaid	4.00 to 5.00
Bride	4.00 to 5.00
Perle	8.00 to 5.00
Carnations	1.50
fancy	2.50 to 3.00
Roman Hyacinths	8.00
Valley	8.00 to 4.00

All other stock at lowest market prices.
No charge for packing.

ROSES. ROSES.

Strictly first class stock. Brides, Meteors, Maids and Perles. Strong 2 1/2-in., \$2.50 per 100. Kaiserin \$3.50 per 100. Beauty \$5 per 100.

Our Rose plants are acknowledged to be the finest supplied to the trade. Place your order with us for immediate or future delivery if you want the choicest stock.

CARNATIONS. All the leading varieties, new and old, at bottom prices, Selected Cuttings only.

SMILAX. Strong Bushy Seedlings, ready for pots, 80c per 100, \$4 per 1000, delivered. This is the way to buy your Smilax and save a large expense in freight on pot plants. Can supply any quantity on short notice.

PANSIES. From cold frames. Big plants full of buds and blooms, the finest in the market. \$2 per 100. Terms strictly cash with order. Send for list.

SOUTH SIDE FLORAL CO., - Springfield, Ill.

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PEACOCK'S New Dahlias

For 1899—Best New Varieties.
Best Old Varieties.

Send for our New Illustrated Trade List before ordering elsewhere.

Peacock's Dahlias always received highest awards over all competitors. Forty-six first prizes out of forty-nine entries during past four years—an unequaled record.

Best New and Standard Carnations—

Beautifully illustrated and accurately described in our Trade List. Send for copy.

Surplus Stock of Mixed Dahlias—

At right price. Also Dahlias under color.
Correspondence Solicited.

W. P. PEACOCK, - Atco, N. J.

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FERNS. FERNS.

To Florists: The best Hardy Cut Fancy and Dagger Ferns that can be found in the Old Berkshire Hills, at \$1.00 per 1,000 for the next 30 days and 5 per cent. discount on all bills paid within 15 days from date of shipment. Also Evergreen, Moss, Laurel, etc., at lowest possible prices. All Ferns, etc., guaranteed to give satisfaction. Address all orders to

H. J. SMITH, Box 181, Hinsdale, Mass.

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When Writing Advertisers.

BABY PRIMROSE.

The newest thing for
Easter Blooming.

Flowers in thumb pots;
grows rapidly, 6-in. pot,
carry 50 to 100 sprays of
rosy flowers, 12 to 18 in.
long; lasts 4 weeks when
cut and wholesale at \$2
per 100; grows finely in
cool house; perpetual
bloomer. 12 for \$1.50,
\$10 per 100, express
prepaid.

New Fragrant \$1000
CALLA.

Very dwarf and free
bloomer, has the fra-
grance of violets and
lilies, \$1 and \$2 per 12,
\$6 and \$12 per 100,
mailed.

Asparagus Sprengeri.

ed; \$4 per 100, express. 3 1/4-in., 24 for \$2.50, mailed
\$7 per 100, express.

A. BLANC & CO., Philadelphia.

Mention The Review when you write.

Chrysanthemums

Our collection of Novelties for '00
is very complete, including

INDEPENDENCE, the earliest white,
MRS. FRED L. BUTTON, the early
white from California,
and **YELLOW IVORY**,
as well as all others.

Also a full line of STANDARD VARIETIES.
For description see our catalogue,
free on application.

**NATHAN SMITH & SON,
ADRIAN, MICH.**

Mention The Review when you write.

ROSES... 50,000 Dormant.
OWN ROOTS,
FIELD GROWN.
IN COLD STORAGE, CHICAGO.

Leading varieties Hybrid Perpetuals, No. 1,
cut back to 24 to 30 inches, 3 or more branches
\$75.00 per 1000. Hardy Climbers and Mme. Plan-
tier, \$35.00 per 1000. Marechal Neil, \$75.00 per 1000.
Yellow Rambler, \$50.00 per 1000. Some varieties,
one size smaller, at special prices.

List of varieties upon application. Address—

**W. F. HEIKES, MANAGER,
1308-1310 Unity Building, CHICAGO, ILL.**
Mention the Review when you write.

PLANTS.

Geraniums, 30 standard varieties, fine plants
out of 3 1/2-in. pots, \$5.00 per 100. Begonias, 12
fine varieties from 3 1/2 and 4 1/2-in. pots, \$5.00 per 100.

ROOTED CUTTINGS.

Geraniums, 25 fine varieties, \$1.00 per 100. Al-
ternanthera, red and yellow, 60c. per 100. Cigar
Plant, 60c. per 100. Artillery Plant, 60c. per 100;
\$4.50 per 1000. Wandering Jew, 8 varieties, 60c.
per 100; \$5.00 per 1000. If you don't think our goods
are all right send 50c. for sample of what you want.
Terms Cash or C. O. D.

W. L. THOMAS & SON, Box 82, Augusta, Ky.
Mention The Review when you write.

**LAST CALL FOR ROOTED ROSE
...CUTTINGS...**

**\$1.50 per 100, The Perle
\$12.50 per 1000**

Or will exchange for
Golden Wedding Mums.

J. F. AMMANN, Edwardsville, Ill.
Mention the Review when you write.

DREER'S SPECIAL OFFER.

DRACAENA GODSEFFIANA.

Caladium Argyrites. Always scarce; a most desirable little plant to use in connection with
cut-flower work; we offer a fine lot of 2-inch pot plants \$1.25 per doz., \$10.00 per 100.

Richardia Elliottiana. The best of the yellow Callas and the variety which will supersede all
others, a limited lot of good bulbs \$1.50 each.

Dracaena Godseffiana. A nice lot of 2-inch pot plants of this striking new variety; 35c each, \$3.50
per doz., \$25.00 per 100.

Pteris Serrulata Voluta. Entirely distinct from all other Ferns, a pretty variety to grow on into
specimens, 2-inch pots, 75c per doz., \$6.00 per 100.

For a full list of Novelties, Specialties and all Seasonable Stock, see our current quarterly wholesale list.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

Mention The Review when you write.

Ampelopsis Veitchii

	Per 10	Per 100	Per 1000		Per 10	Per 100	Per 1000
2-years, fieldgrown, No. 1,	X, \$1.00	\$7.00	\$60.00	2-years, fieldgrown, No. 2,	\$.60	\$5.00	\$45.00
	No. 1, .80	6.00	50.00		No. 3, .50	4.00	30.00

CLEMATIS PANICULATA.

	Per 10	Per 100	Per 1000		Per 10	Per 100	Per 1000
XX, very heavy,	\$1.20	\$10.00		Plants from 2-inch pots,	\$.50	\$3.50	\$30.00
Strong plants, out of pots,	.60	5.00	\$10.00	DWARF Box,		2.50	20.00

Small stock for transplanting. Shade trees in quantity. Send for our wholesale list.

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Price, **\$5.00**

...BY...

WILLIAM SCOTT.

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IN JUNE.**

It will cover the whole field of Commercial Floriculture, the articles
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and easy. It will be a whole library in itself, and will tell you just what
you want to know in just the way you want to be told. It will be the
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Write for Price List.

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OBITUARY.

Julius Koenig, Sr.

Julius Koenig, Sr., died on Saturday, April 22, at his home in St. Louis. This will be sad news to all florists who knew this good old man, as a more kind-hearted man never lived than Pap Koenig. He was upright in all his dealings, and his death removes one of the landmarks of our profession who will be greatly missed. Mr. Koenig was 70 years old and leaves a widow and seven children, four girls and three boys; of the boys, Julius, Jr., has his own place, and Otto and John will continue the old business left by their father.

Mr. Koenig was a prominent member of the St. Louis Florists' Club.

The funeral took place Monday, April 24th, at 2 p. m., from the family residence and the club attended in a body. The pallbearers were selected by the family from the club men and were as follows: Chas. Cannon, Albert Michel, J. J. Beneke, John W. Kunz, Fred C. Weber, C. A. Kuehn, Carl Beyrer and John Young.

There were many handsome floral designs, but the one sent by the club was especially attractive, it being a large crescent wreath standing five feet high, with a large standing sheaf of wheat in the center; attached to this was a large sickle of violets. Nearly every florist in the city attended, as Mr. Koenig was everybody's friend.

J. J. B.

PHILADELPHIA.

There is little or no change in the market. Supply exceeds demand and the fakirs are out in force.

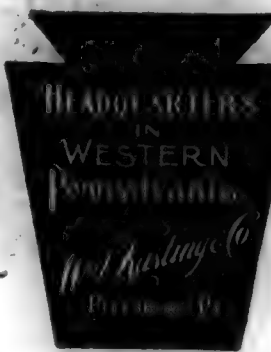
There was quite a number of decorations the past week, J. J. Habermehl's Sons alone having three large ones.

C. Hermann, Frederick, Md., was a recent visitor.

Herman Resert had his wagon demolished while standing in front of his store by a team running away and running into it. Oscar Reider, who was in the wagon at the time, was thrown out, receiving severe injuries about the head.

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Carnations
VALLEY
FERNS.
GALAX, and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

Consignments of good stock solicited.



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2985.

WM. F. KASTING & CO., F. STOKES, Manager.

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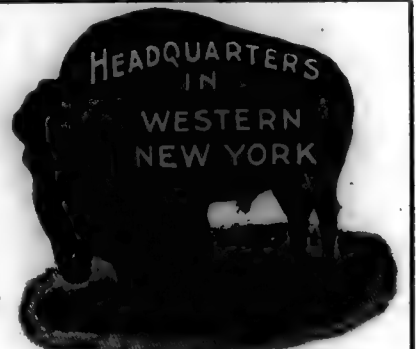
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Carnations
and all
kinds of
Seasonable
Flowers
in stock.



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6-in. pots, \$1.00 each; \$12.00 a dozen. Also larger sizes. Send list of sizes required and get rates. Also a few white leaved plants at half price, for decorative effects or cutting up.

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Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

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New Rochelle, N. Y.

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SEEDS of **Elegans....**

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Miss Minnie Wanamaker	V. H. Hallock
Golden Wedding	Maud Dean
Niveus	Chillingfordii
Minerva	Geo. W. Childs
Liberty	Bessie Burton
Bonnaillon	Modesto
Mrs. J. J. Glessner	Mrs. Murdock
Belle of Castlewood	J. G. Woodford

from 2½-in. pots, \$2.00 per 100; per 1000, \$15.00

Cannas, good variety named \$2.00 per 100
mixed 1.00 "

Nymphaea Odorata Gigantea, strong roots 3.50 "

R. VINCENT, JR., & SON, White Marsh, Md.
Mention The Review when you write.

COLEUS. Verschaffeltii and Golden Bedder, \$8 per 1000; Fancy, 25 var., superb, brightest colored, some grand new, \$5 per 1000.

Alternanthera. P. Major, A. Nana, Amabilis fine; all are nice bushy little plants, \$8 per 1000.

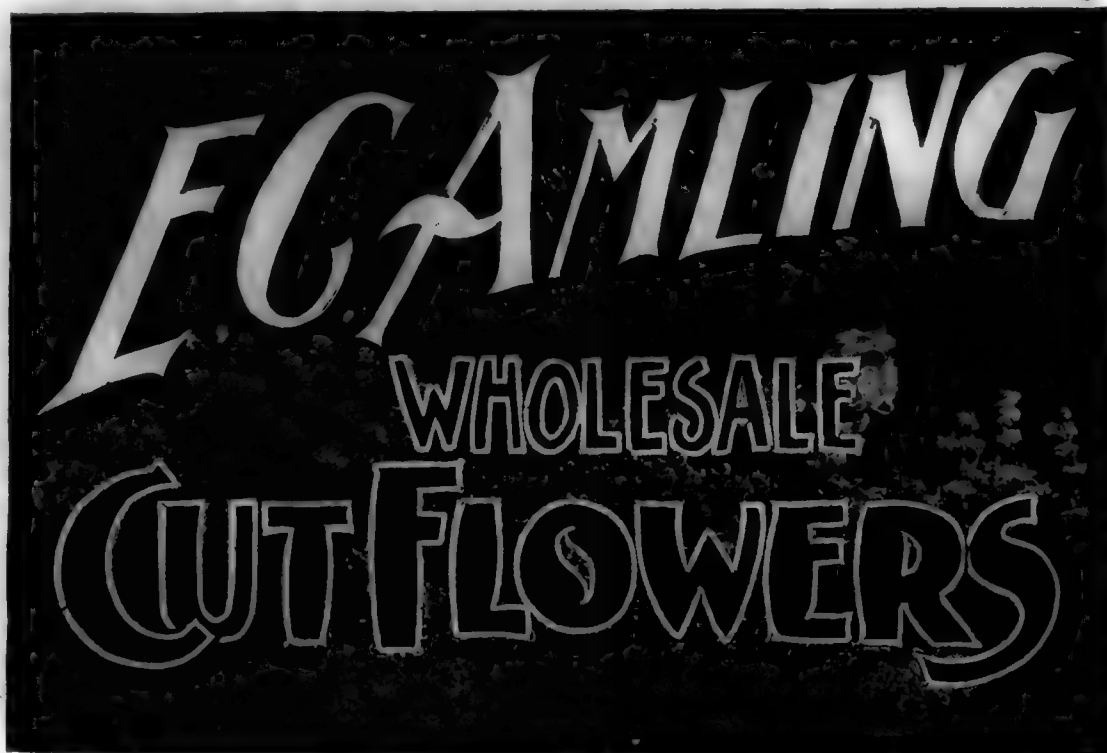
Verbena — Brightest colors, fine plants, 50c per 100. Any quantity by express at quoted rates; by mail, add 20 per cent. Cash, please.

DANIEL K. HERR,843 Columbia Ave., LANCASTER, PA.
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By WILLIAM SCOTT
Price, \$5.00.

It will cover the whole field of Commercial Floriculture, the articles arranged alphabetically, encyclopaedia style, so reference may be quick and easy. It will be a whole library in itself, and will tell you just what you want to know in just the way you want to be told. It will be the standard work of reference for the trade.

Will be Ready for Delivery
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ROSES.

EXTRA FANCY BEAUTIES.

GOOD BEAUTIES.

SHORT BEAUTIES.

VERY CHOICE KAISERIN, regular
Summer growth.

SELECT MAIDS and BRIDES.

METEORS and PERLES, good fair stock
and seconds, at prices to suit.

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ARE OUR SPECIALTY.

WE HANDLE THE LARGEST LINE
OF HIGH GRADE FANCY AND
ORDINARY STOCK IN THE
CITY.ON CHEAP STOCK WE CAN GET
'WAY DOWN.CAN SUPPLY LARGE BUYERS with
STOCK THAT WILL MAKE
THEM MONEY.

Mention the Review when you write.

NOVELTIES OF THE SEASON

NEW HYBRID CARNATION VULCAN A first-class, Summer Blooming
Carnation, a bright red, very free
flowering variety, strong, erect grower, no stick needed. Well established plants
from 2½-in. pots, 3 for 25c; \$1.00 per doz. \$5.00 per 100. 25 at 100 rate.

ACALYPHA SANDERIANA, 3-in. pots, 50c each.

	Size pot.	Per doz.	Per 100.
Asparagus Sprengerii.....	2½-inch	\$0.50	\$4.00
Ageratum, Princess Pauline.....	2½ "	.50	4.00
Browallia, New Giant.....	2½ "	.50	4.00
Calla, Little Gem.....	3 "	1.00	7.00
Physalis Franchetti (Chinese Lantern Plant).....	2½ "	.50	4.00
Double Giant Alyssum.....	2½ "	.40	3.00
California Violets, strong young plants.....			2.00

Cannas, all the standard varieties in large quantities. Write
for prices.

Carnation Victor, well established plant.....2½ " 3.00

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Wholesale Growers TREES and PLANTS In Full Assortment.TRADE CATALOGUE FREE.

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STOCK, MIGNONETTE, MAR-
GUERITES, etc. SWEET PEAS
NOW COMING IN DAILY.

Decorative.

LOCAL GROWN ASPARAGUS,
FINEST ADIANTUM, GOOD GALAX.COMMON FERNS, 40c per 100,
\$4.00 per 1000.

SMILAX — scarce.

We ship nothing knowingly but stock
that will carry and give satisfaction.

Our Prices always the lowest
MARKET RATES
consistent with
quality of stock shipped.

Store open from 7:00 A. M., until 6:30
P. M. Sundays and Holidays closed at noon.

HORT. SOCIETY OF CHICAGO.]

The preliminary list of premiums offered by the Horticultural Society of Chicago, to be awarded at the annual fall exhibition, Nov. 7 to 11, next, has been issued, and copies may be had by addressing the assistant secretary, Mr. W. N. Rudd, Room 202, 185 Dearborn street, Chicago.

The coming exhibition of this society promises to be of unusual interest, and it will be held in the Auditorium, one of the noted buildings of the country. The vast space of this great audience room, including the immense stage, will all be given up to the exhibition. Probably no exhibition of plants and flowers was ever placed in such handsome surroundings as will be the Chicago show of 1899. The rental for the five-day show will alone be \$5,000 and it certainly speaks well for the enterprise of the management to undertake an exhibition of such magnitude.

The International competition in chrysanthemum cut blooms is repeated again this year and this feature seems to become more prominent at each exhibition. The best dozen blooms from each state receives a prize of \$6.00, and the winner of each state prize competes for the grand prize of \$50.00.

DENVER, COLO.

The scores published in the Review, made by the Denver Florists' Club, have been made upon alleys 36 inches wide and 60 feet long from foul line to first pin. We are unable to get a regulation alley to bowl upon, but most of the players feel confident of keeping up their scores on regulation alleys, which we think would be far more favorable as well as preferable to those we now have to put up with, as the pins are made from soft wood and are much smaller than regulation size and the balls are badly chipped, which is considerable of a handicap.

The following scores were made on the evening of April 19th:

	1st.	2nd.	3d.	4th.	Av
A. M. Lewis	211	150	180	180	
A. E. Mauff	184	173	178	...	178
John Berry	126	212	179	153	167
M. J. Taylor	164	154	160	...	159
Robt. Kurth	167	184	127	159	
Chas. Thiess	182	135	154	156	
Chas. Mauff .....	...	148	162	155	
John Ferris	141	164	156	154	
Chas. Franz	168	131	134	160	148
Geo. Brinkert	183	124	131	146	
Perry Gallup	167	118	153	146	
Chas. Meyer	161	111	153	142	

J. B.

PREBLE, WIS.—H. Raymaker will add new glass this summer.

MOLINE, ILL.—Julius Staack is building two new houses, one 17x118 and the other 22x128.

PORTLAND, OREGON.—Martin & Forbes will soon begin the erection of greenhouses on a two-acre tract on Melrose avenue.

HEADQUARTERS FOR
ASPARAGUS PLUMOSUS NANUS
W.H. ELLIOTT
BRIGHTON, MASS.
CUT STRINGS, 10 feet long, 50 cts. each.
Shipped to any part of the country.
Mention The Review when you write.

Lady Dorothea..

Winner of Silver Cup as best New Rose—Chicago Chrysanthemum Show, November, 1898. Also Certificates of Merit—New York and Toronto.

The Florists' Rose, a free bloomer, always an attractive and selling color. No bull heads.

1 plant 50c; 12 plants \$4.00; 100 plants \$25.00; 250 plants \$30.00; 500 plants \$75.00; 1000 plants \$125.00

JOHN H. DUNLOP, Toronto, Canada.

Mention The Review when you write.

Dahlia Camelliaeflora...

Illustrated in Florists' Review January 26, 1899, and in Florists' Exchange August 13, 1898.

Awarded by the American Institute of New York a Diploma on pot plants of Dahlia Camelliaeflora and a First Class Certificate on Cut Flowers of the Dahlia Camelliaeflora.

This variety is particularly good for Spring sales as pot plants and is an abundant bloomer, valuable for cut flowers, and does not exceed two feet in pots or in field. The blooms are bold, clean cut, pure white, with very full center. Good, strong plants out of 3½-in. pots, \$1.50 per doz.; \$10.00 per 100. Orders booked now and filled in rotation. Cash with order.

A. L. MILLER, Jamaica Ave., Brooklyn, N. Y.

Mention the Review when you write.

100,000 VERBENAS, THE CHOICEST VARIETIES IN CULTIVATION...

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

{ No Rust or Mildew.
Packed Light and
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

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1840 Old Colony Nurseries, 1899

HARDY SHRUBS, TREES, VINES, EVERGREENS and PERENNIALS.

A large and fine stock of well rooted plants, grown in a sandy loam. Good plants, best sizes for planting, very cheap.

Trade list free on application.

T. R. WATSON, Plymouth, Mass.

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CARNATIONS...

Rooted Cuttings.

	Per 100	Per 1000
G. H. Crane.....ready May 10,	\$10.00	\$75.00
White Cloud.....	10, 5.00	40.00
Mary Wood.....	10, 2.50	20.00
Gen. Maceo.....ready now,	10.00	75.00
Gen. Gomez.....	10.00	
Glacier.....	10.00	
Melba.....	10.00	
America.....	10.00	
Gold Nugget.....	5.00	40.00
John Young.....	5.00	40.00
New York.....	5.00	40.00
Argyle.....	5.00	40.00
Evelina.....	5.00	40.00
Jubilee.....	2.50	20.00
Daybreak.....	2.50	20.00

And other Standard Varieties.

F. Dorner & Sons Co., La Fayette, Ind.

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CARNATIONS, Smilax and Pansies

GOOD STOCK
AT ORDINARY PRICES.

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LANCASTER, PA.

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X PLANTS, 3-inch Pots.

CHRYSANTHEMUMS.

	100	1000
Frank Hardy, 5 inches.....	\$2.50	\$25.00
Modesto, Bonnaillon.....	2.50	25.00
Glory of the Pacific.....	2.50	
Georgiana Pitcher, Mrs. F. Perrin.....	2.50	
W. H. Lincoln.....	2.50	

CARNATIONS.

Maud Dean, Mayor Pingree.....	2.00
Harrison's White, Alaska, Meteor.....	2.00

ROSES.

Yellow Rambler, Pink Rambler.....	2.50	25.00
White Rambler, Bride, 'Maid.....	3.00	
Pres. Carnot.....	4.00	

All First-Class Stock.

ALYAH L. REYNOLDS, Madison, N. J.

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Wholesale
Florists,

RICHMOND, INDIANA.

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Large assortment of Ornamental Trees, Shrubs, Evergreens, etc. Descriptive catalogue free to all. Wholesale price list for all in the trade.

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Mention the Review when you write.

\$1,444.24 in the last 100 orders, AND STILL THEY COME!

CARNATION CUTTINGS. From Soil Only.

	Per 100	Per 1000
ARGYLE.....	\$3.00	
EVELINA.....	3.00	
BONTON.....	4.00	
MRS. JAS. DEAN.....	4.00	
GOLD NUGGET.....	4.00	
EMPRESS.....		\$3.00
PSYCHE.....		2.00
NEW YORK.....		4.00
JOHN YOUNG.....		4.00
EVANSTON.....		6.00

Five cuttings at 100 rate.

100,000 PLANTS AND CUTTINGS.

	Per 100	Per 1000
MME SALLEROI, rooted cuttings.....	\$1.00	
LOBELIA.....	1.00	
IRISINES, red & yellow, ".....	1.00	
COLEUS, mixed.....		\$1.00
NEW YELLOW MARGUERITE.....		1.00
VINCA, mixed.....		1.00

PLANTS

	Per 100	Per 1000
BEGONIAS, mixed, 2 1/2-in.....	\$2.00	
" " 3 1/2-in.....	4.00	
" " 5-in.....	6.00	
HELIOTROPES, mixed, 2 1/2-in.....	2.00	
VELVET PLANT, 2 1/2-in.....	2.00	
SMILAX, strong, ".....	2.00	
from flats, ".....	.50	
LITTLE GEM, 2 1/2-in.....	2.00	
" " 3 1/2-in.....	4.00	
" " 5-in.....	6.00	
FUCHSIAS, 2 1/2-in.....	2.00	
MESEMBRYANTHEMUM } 2 1/2-in.....	3.00	
ERECTUM.....	4-in.....	6.00
GERANIUMS, mixed, 2 1/2-in.....	2.00	
GERANIUMS, named, 3 1/2-in.....		\$1.00
" mixed, 4 1/2-in.....		8.00
IRIS, German, 4 colors.....		3.00
GOLDEN FEVERFEW, from flats.....		1.00
COLEUS, 2 1/2-in.....		2.00
DOUBLE WHITE GERANIUMS, in 4 va- rieties, 3 1/2-in.....		5.00
ABUTILONS, mixed, 2 1/2-in.....		2.00
SALVIA, Clara Bedman, 2 1/2-in.....		2.00
" " rooted cuttings.....		1.00
" Patens, 2 1/2-in.....		2.00
MARGUERITE, yellow, 2 1/2-in.....		2.00
SOUTHERN THYME, 2 1/2-in.....		2.00
SWEET ALYSSUM, flats.....		1.00

Five plants at 100 rate.

THE MORRIS FLORAL CO., MORRIS, ILL.

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CARNATIONS. CHRYSANTHEMUMS.

New and Standard
Varieties.

Our Price List is teeming with new and good things. Send for it.

The stock we send out is a source of satisfaction to our customers and pride to ourselves.

Don't wait too long; some varieties are already very scarce.

H. Weber & Sons, - Oakland, Md.

Mention The Review when you write.

Burpee's Seeds Grow

CARNATION SEEDLINGS.

From Hand Fertilized, Winter Bloom-
ing Varieties.
100 plants for \$4.00, 25 plants at 100 rate.
Sent free by mail.

American Rose Company,

All Seeds Sold. Washington, D. C.

CONCH SHELL CARNATION.

Rooted Cuttings now ready, from sand. The
perpetual producer of bloom the year round, color
light pink, built up in the center; long stiff stems;
non-bursting; fringed and fragrant and a good
keeper; from 2 1/2 to 3 in., when well grown; will
average 3 in., \$6.00 a 100, \$25 per 500, \$50 per 1000.

H. GROUT, 239 Pine Street,
SPRINGFIELD, MASS.

Mention the Review when you write.

THE BIG SIX CARNATIONS!

Mrs. Bradt, Gold Nugget, White Cloud,
\$5.00 per 100, \$40.00 per 1000.
Flora Hill, Daybreak and Jubilee,
\$2.00 per 100, \$15.00 per 1000.

Also 9 most promising varieties of '99, and
15 leading standard varieties.

GEO. HANCOCK & SON, Grand Haven, Mich.

ROOTED CUTTINGS Carnation Daybreak

\$12.00 per 1000; \$1.50 per 100.

PINKS ANNA BOLEYN,
\$7.50 per 1000; \$1.00 per 100.

CASH WITH ORDER.

C. SOLTAU & CO., 199 Grant Ave., Jersey City, N. J.

Mention The Review when you write.

PITTSBURG.

The Market.

There has been no change of any importance in the cut flower market during the past week. Apparently no special surplus is noticeable.

The supply of good carnations does not exceed the demand. Smilax is very scarce. Lilies are moving out better now, but the prices are low, good stock selling at \$4 per 100. Roses are being received in great quantities, the quality is good, prices \$2 to \$5 per 100.

Notes.

F. Burki of Bellevue is cutting some very fine snapdragon and yellow cornflowers.

A clever con-man representing himself as C. E. Allen, president of the Ohio Clay Mfg. Co., called at Gustav & J. W. Ludwig's Allegheny market stand one day recently and bought \$5 worth of flowers, for which he paid with a draft for \$35 drawn on his company. When Mr. Ludwig hesitated about accepting the draft Allen flashed out his company's charter. After this seemingly satisfactory identification, Mr. Ludwig gave Allen \$30 in change, but the draft came back. Mr. Ludwig made some inquiries and found there were others in the same boat.

T. P. L.

SAN JOSE, CAL.—E. H. Bourguignon has retired from business, being succeeded by the firm of Bourguignon & Delaney, composed of F. E. Bourguignon and H. L. Delaney.

CIRCLEVILLE, O.—J. J. Brehmer has purchased the greenhouse of the late James Hurtt.

ATLANTIC CITY, N. J.—Geo. H. Berke has opened a floral store at the corner of Atlantic and Illinois avenues.

CORUNNA, MICH.—H. A. Welfare has sold his greenhouses to Mrs. Lyon, of Flushing, who will continue the business.

CONCORD, MASS.—The greenhouses of Daniel Angier were destroyed by fire April 16. Loss about \$4,000, with no insurance.

SIOUX CITY, IOWA.—The case of Kinney vs. Elder has been decided in favor of Mr. Elder. George Kinney sued Mr. Elder for wages alleged to be due him for extra work. Kinney, who was formerly employed as florist at the Elder greenhouses, was recently accused of circulating cards which were detrimental to Mr. Elder's character. He was arrested for libel and was bound over to the grand jury in \$100 bonds.

FOR INFORMATION of real practical value The Florists' Review stands decidedly at the head.

Look Here for Rooted Cuttings

	Per 100
Abutilon, var. trailing.....	\$2.00
Ageratum, blue and white..	1.00
Alternanthera, red and yellow, per 1000, \$5.00.....	.60
Anthemis, double yellow....	2.00
Begonia Rex, 50 to 80 var....	2.00
Incarnata Gigantea.....	2.00
Vernon.....	1.00
Chrysanthemums, named....	1.50
Cuphea (Cigar plant).....	1.00
Coleus, mixed, per 1000, \$3..	.60
separate colors.....	.75
Fuchsia Trailing Queen.....	1.50
named.....	1.50
Forget-me-not, winter flowering.....	1.50

	Per 100
German Ivy.....	\$1.25
Heliotrope, per 1000, \$10....	1.25
Geraniums, named; Double	
Grant, La Favorite, S.	
A. Nutt, Rev. J. B. Atkinson, Gloria de France	
etc., per 1000, \$12.50.....	1.50
Mixed, per 1000, \$10.....	1.25
Md. Sal., ".....	1.25
Bronze.....	1.60
Silver Leaf.....	1.50
Rose Scented.....	1.50
Mrs. Pollock.....	2.00
Freak of Nature.....	3.00
Happy Thought.....	3.00
Mars.....	3.00

	Per 100
Geranium Md. Bruant.....	\$2.00
Mrs. Parker.....	4.00
Imp. Sultana.....	1.50
Lemon Verbena.....	1.50
Lobelia, blue.....	1.00
Lantana, assorted.....	1.50
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G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

520-535 Caxton Building, Chicago,

334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/4 page, \$13.50; full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.

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EVANSTON, ILL.—Louis Leonhardt, the veteran nurseryman and landscape gardener, committed suicide April 20 by taking carbolic acid. He was born in Germany in 1832 and came to Evanston forty-four years ago. He superintended the laying out of Rose Hill cemetery in 1859.

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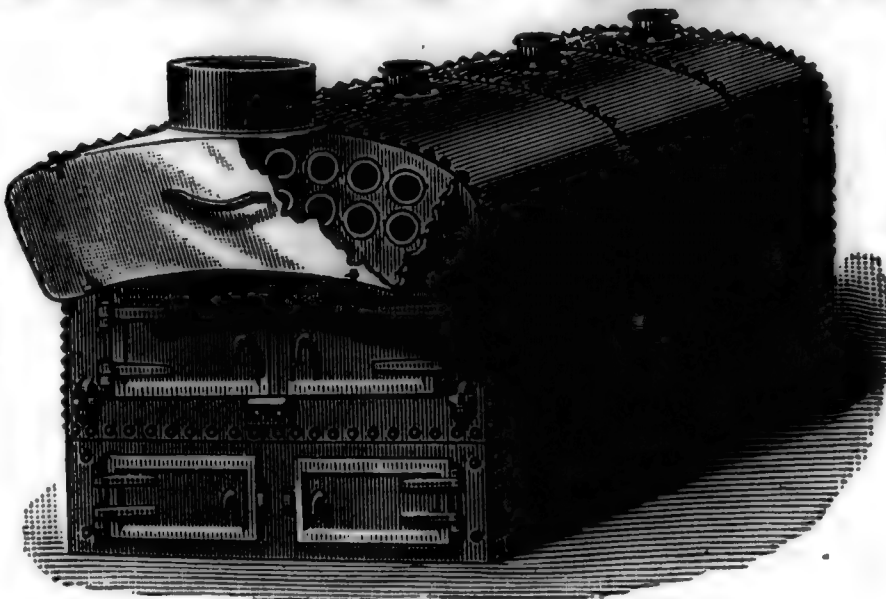
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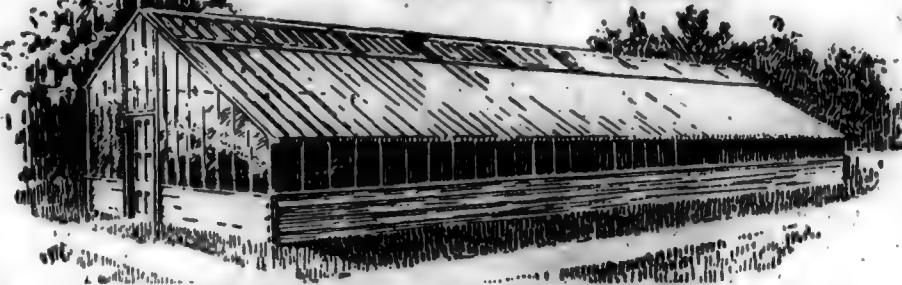


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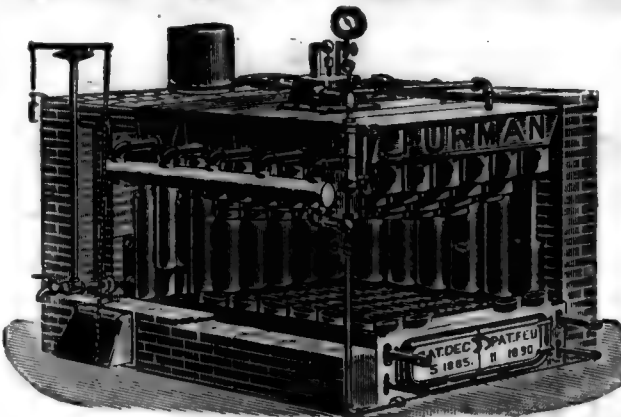
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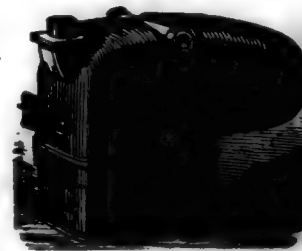
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THE WEEKLY FLORISTS REVIEW

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Vol. III.

CHICAGO AND NEW YORK, MAY 4, 1899.

No. 75.

RUSTIC VASES.

The accompanying engraving is from a photograph of one of the rustic vases of which large numbers are seen each summer in Lincoln Park, Chicago.

The handsome pyramidal form is secured by two boxes, one smaller and raised above the other. The boxes are either six or eight sided, the lower one 3 feet in diameter at the top, 26 inches at the bottom and 12 inches deep. This rests upon a 6-foot cedar

post with the bark on, which is set 3 feet in the ground and carries the box 3 feet above it. The lower box is braced to the post by rustic branches, and the box is faced with cedar bark and trimmed with other bits of rustic work. This part of the vase is permanent and remains in position all the year around.

Inside of the lower box is placed a cross made of planks that carries the upper box 14 inches above the bottom of the lower one. This upper box is 18 inches in diameter at the top, 12

inches at the bottom and 12 inches deep. The boxes are made of pine plank but the insides are charred before using, which greatly increases the lasting qualities of the boxes. The charring is accomplished by applying a coat of kerosene to the inside of the box with a brush, throwing a few shavings inside and applying a match to them, being careful to extinguish the flames before they have taken too secure a hold.

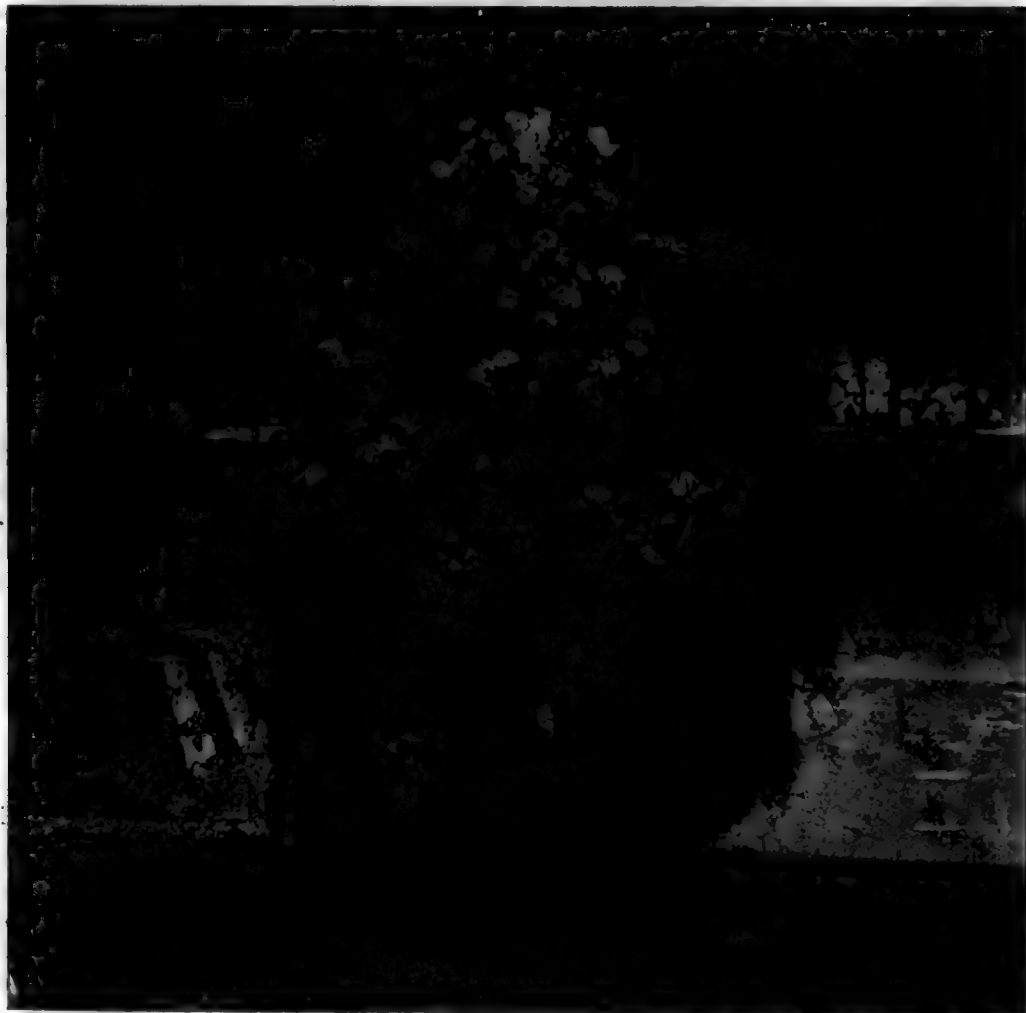
Head-Gardener Stromback is now preparing the compost for these vases. To three barrows full of good sod compost he adds one barrow full of thoroughly rotted and pulverized horse manure, a little torpedo sand and a 4-inch pot full of bone meal. He finds this compost will carry the plants through the season. He has under his care in the park 50 wooden and 16 terra cotta vases and they always look well to the end of the season.

The plants he uses for vase work are as follows: Geraniums, petunias, cupheas, verbenas, marguerites (both white and yellow), Calceolaria annua, Lophospermum scandens, Maurandya Barclayana, tropaeolums (the single running), variegated vinca, feverfew and lobelia. The shorter vines are used in the upper box and the longer ones in the lower box. Generally old plants of geraniums carried over from the preceding year are used in the center and other places where height is required and occasionally cannas are used.

For a while after planting the watering of these vases is not a serious task but when the boxes have become well filled with roots, in 3 or 4 weeks after planting, they have to be well soaked every morning.

THE LILY QUESTION.

Mr. E. Buettner, Park Ridge, Ill., has no specially vigorous kick to register regarding lilies for the late Easter. He had 8,000 longiflorum that were practically all in on time and from



Rustic Vase at Lincoln Park, Chicago.

which he cut about 19,000 flowers that netted him an average of about \$10 a hundred. He went into lilies rather heavier than usual, feeling that as Easter was early he would make a fair strike, if he succeeded in getting them all in on time. He will grow only half as many for next Easter, which will be later (April 15), feeling that more crops will be in on time and that consequently he will have more competition in the market.

Last year he had half 7x9 and half 9x11 Japanese longiflorum. Next year he will have all 9x11 bulbs. This size will produce 6 to 8 flowers while the 7x9 produce only 4 to 5 and the plants require the same space and expense in handling. And when there are splits among the large bulbs the individual parts are strong enough to produce something which is not apt to be the case with splits among the smaller bulbs.

He notes five distinct varieties among the Japanese longiflorum. One known as Takesima is very distinct. The foliage is narrow, stem brown

and not quite so tall as that of the type and flowers borne in a circle. It forces very readily, produces more flowers from a bulb of equal size and the bulbs seldom split.

He had only 1,000 Harrisii the past season and lost half of these from disease. He has not yet succeeded in finding a remedy for the disease though he has tried a number of things that were recommended. He believes that even should the mites be killed after the bulbs are received it is too late to prevent the disease as the damage has been done before the bulbs arrive. And killing the mites is exceedingly difficult for they burrow into the tissues of the plant in such a way that it is practically impossible to reach them all without destroying the bulb. The grower of the bulbs must eradicate the mites from the soil of his fields in order to insure bulbs free from the pest. If he could obtain Harrisii free from disease he would have no use for the longiflorum, as the Harrisii produces much more freely.

other ways tend to increase the demand for flowers and greens that day. The materials for the decoration would be gladly given by the members and the best artists in your city should be asked to arrange them.

Again, we will see G. A. R. Posts march to cemeteries with all manner of artificial stuff; this could be changed, for the sentiment expressed in natural and beautiful flowers will always win where grateful hearts are appealed to. See if you cannot get the Grand Army Post or Sons of Veterans in your district to each carry a small wreath when they go to decorate the graves. You can make the wreaths cheaply and act generously with them; they will not be inclined to forget it; their trade will repay you for whatever degree of generosity you show, though I believe there are very many that would be willing to pay you well for the suggestion and satisfactory execution of it.

Now, let us consider what these wreaths should be; in size they should be from 9 to 12 inches, and they must be made on one strong wire, not the usual frame. Suppose they want a cheap one; well, we can make that very pretty, indeed, by tying Leucothoe sprays around the wire, arranging the sprays to meet at the top in laureate style; at the bottom, where the stems meet, we can place two miniature flags or a bow of flag-ribbon; be particular about the finish; for a few cents you can make a beautiful little wreath of this material. If something choicer is wanted, then make the wreaths of laurel, either common laurel or bay leaves; you must wire the leaves separately and arrange them on the wire ring, having them face one way from both sides; a few red roses or a small silk or cotton flag should be attached to the bottom of the wreath. If small wreaths of flowers are desired, you can first green the rings with some cheap green like Princess Pine or retinospora (smilax may be too expensive), then get blue corn flowers, red carnations and white sweet peas; don't mix these flowers, but make one third of the front of the wreath one color; then you will have the national colors and there will be some meaning to your design.

Perhaps sprays or boutonnieres may be adopted; if so, make them either one color or of the national colors. Avoid dried and dyed flowers and any artificial effects, as they do not convey the same meaning as natural flowers do, and, more important still, they degrade true art and otherwise injure our trade.

Of course, we will have some monuments to decorate, and there is a principle we should always recognize; it is not necessary that we should demean the sculptor's work by ours. No, no; we should always study out how we can enhance the beauty of the whole by a proper application of our art; we should never decorate the figure on a monument; our work should be confined to the pedestal, and the name of



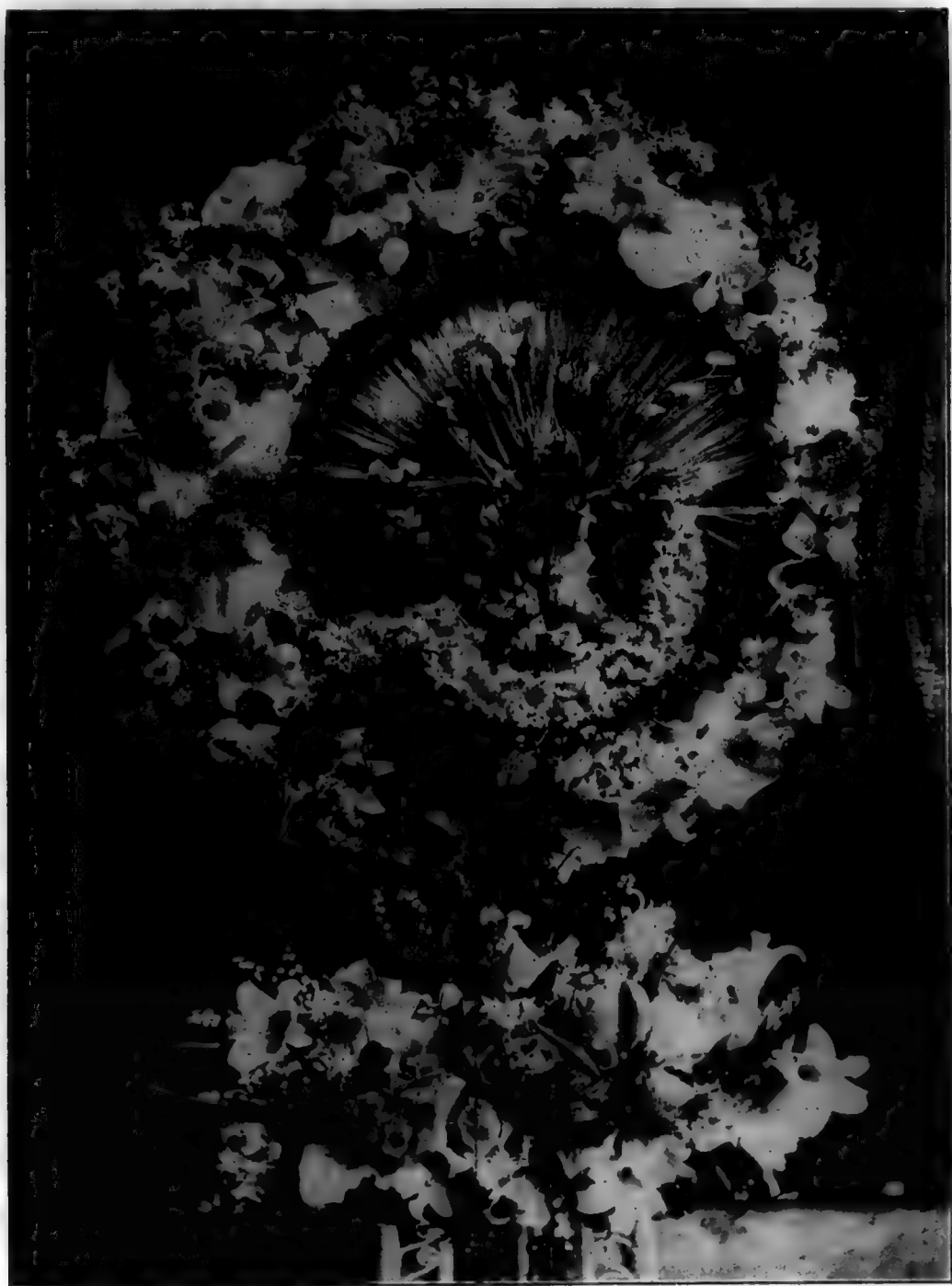
For Decoration Day.

Decoration Day will soon be here and we think a few words about the occasion will be most appropriate. Now, dear friends, Decoration Day, both from a sentimental as well as a business point of view, should mean more than it does to the florist; the purpose of the event is most essentially floricultural. It is a day upon which the nation turns to us for the wreaths to place on the graves of its heroic dead, and it must be admitted that we very often—yes, too often—only feebly respond to the call. We are too prone to look upon the sublime custom of decorating the graves of the brave and the true in a sordid light; we demand full payment for all we do. We depend upon the sentiment of the people for a living, yet we hate to be considered sentimental. We cannot help thinking how much the florists could do to make the Day and the Act more glorious by merely devoting a little thought to it, and, my friends, there is no reason why we should neglect it.

We have noticed with a good deal of regret, too, that the custom of deco-

rating the public monuments is yearly decreasing; there are two possible reasons responsible for this—bad taste in decorating and over-charging; both could easily be avoided. We have often seen garlands of laurel twisted around the body and head of a statue of Washington, making the most ridiculous picture; again, potted plants would be put under Lincoln's arm, tin-foiled anchors on Farragut's sword, and wreaths of flowers 'round Grant's neck; and, mind you, these things were done by men who called themselves florists. When we think of these desecrations we are inclined to forgive, nay, to thank, the Grand Army Posts and other societies for stopping it.

Now, how nice it would be, and how little it would cost, if the Florists' Club in each city would artistically decorate Washington's monument on Decoration Day; it would be a grateful act; it would educate the public; it would induce other societies to decorate other monuments—yes, it would remind even individuals that they had a duty to perform, and in numerous



Design sent by the St. Louis Florists' Club to the funeral of the late Julius Koenig, Sr.
Arranged by J. J. Beneke.

the hero should be left uncovered, that the stranger to our shores may read it. "Many men, many minds," is what we are often compelled to consider. Some will want us to make the decorations look big and imposing, yet even under such circumstances we need not give our work a ludicrous aspect. Give them quality, for it never fails to give satisfaction. You can and should employ the best of your ability on decorating a public monument, for your work is a long time before the public eye; you need to be careful of your material just as much as your design, and you need never be afraid of the great beauty of simplicity.

Leave out your shields and flags made of immortelles, but don't be afraid to use the stars and stripes made of cloth. We never recommend the use of red, white and blue ribbon for the reason that, although they comprise the colors, still, they do not convey the meaning of the stars and

stripes; they are not expressive enough; and then again, other countries have tri-colors like them. Use the American flag with your decorations whenever the occasion is a national event; its colors will blend with any of nature's. One thing we should be careful about; that is, not to let tinfoil be seen, much less be a prominent part of any design we arrange; if you make up wreaths of flowers, don't mix up colors; make clusters of them, remembering always that one color is best, and that no designs other than wreaths and garlands, are permissible; that colored flowers, particularly crimson, are best to use.

Suppose you use handsome garlands of heavy laurel or arbor-vitae roping looped in Roman style, or like extended crescents; then there is nothing finer than a well made wreath of Jacques for your front piece. If you make up wreaths of galax leaves, don't try to make a wreath with a

handful of leaves; they are cheap enough; it requires 500, yes, even 1,000, leaves to make a good wreath, for both sides should be done, and if you want to use some bronze ones, put some on No. 30 wire and arrange them in a cluster, or the colors can be used vice versa. When arranging wreaths, use the biggest leaves first, topping off with the smallest; no moss should be seen when the wreath is finished. There is nothing handsomer than a well made wreath of laurel with crossed silk flags at the top; this design alone in front of a monument means volumes. Don't plaster any work with palm leaves; if you use them, group them as if they were growing. A good big wreath of cycas leaves, with a flag entwined among the stems at the bottom, is a most effective design.

Now we come to the question of plants. All manner of flowering plants will be in demand, and the trade will frown at us if he say much of the stock offered is not appropriate. But we do say so, nevertheless, because we think that plants used on this occasion should have some lasting qualities about them. Geraniums have been, and will continue to be, the great favorite, and often we think that if growers would put three or six plants in a pot or pan they would sell well; there are times when one plant is too small. Then again, if ivies and roses, particularly the Ramblers or "Memorial roses," were twined and grown in wreath shape instead of screens and balloons, they would look better and sell better. Small pots or pans of forget-me-nots make a most appropriate item.

But you've got all manner of stock growing and want to sell it, and it's not our desire at this late date to criticise what you have to offer. We wish to help you to dispose of your entire stock by meeting us half way. Let us go to the public schools or leading societies and by fair dealing induce them to have the children carry our stock to the graves; let us give special offers to military societies; let us educate the public by showing them examples. Decoration Day gives to every florist an opportunity to stand out prominently in the public eye and estimation. It gives to every nurseryman or large grower a chance to put to good use the thousands of flowers that go to waste. We expect an increased demand for flowers this Decoration Day; there is reason for it; and let us see to it that no soldier's grave is without some small tribute of grateful remembrance. IVERA.

THE PRIZE COMPETITION.

Editor Florists' Review: The remarks of Mr. A. H. Ewing in regard to the prize competition and particularly as to the fumigator receiving third prize, are a little premature. What he says about the fumigator would seem to reflect a little on my veracity, for I believe the articles submitted were to be new and not heretofore published. I must say I was

a little surprised that this simple contrivance should have received a prize, but it is useful, cheap and effective, and while what Mr. Ewing says may be true, that he has used the same device for twenty years, I still claim it was original with me, as I never saw or heard of one being used until I had them made.

It is true, as Mr. Ewing says, that the inventive genius displayed throughout was not of a very high order; but one must recollect that a device that possessed any real value would be patented by its owner and thus be barred from competition. I do not think it is true that the florist trade is at all backward in inventing

and adopting improved methods and labor-saving machinery, as the records of the patent office will show and comparison of present conditions with the past will fully demonstrate.

The Review, in my opinion, has done a good service in giving to the trade the simple devices that were presented in competition. It was certainly not intended to show off the inventive faculty of the profession. To do that patented and patentable inventions should not be excluded. But to include such would simply give them a free advertisement and that would be foreign to the intention or design of any paper. W. R. SHELMIER.

found a good place, but where a quantity is wanted it is better to occupy the middle of a house, where no pipes are in the way. You can have the boxes the length of the space between the paths, say six or seven feet. These boxes should be eight or nine inches wide and seven inches deep, and the plants placed fifteen to eighteen inches apart. Raise the boxes by some means two or three feet from the ground and place them three feet apart; the fine sprays will then have a chance to grow and droop down without getting mussed up by the soil or sand, as they do when grown on a bench; and by this method you give the sprays room for perfect development.

Asters.

If you have a bench of carnations that is not paying or that has seen its best days, plant it with asters. I recommended sowing some of Semple's varieties in February. There is always a demand for good asters when they first come in, and those grown under glass are pure and clean and fine flowers.

No more manure or fertilizer should be added to the soil in the bench, for these asters grow very strongly, and plenty of syringing should be given daily or you will get red spider, or, what is worse, thrips. My experience is that no side bench will do for these asters; they will want at least three feet of head-room.

To allow plants to become infested with red spider is the least excusable of the florist's failings. Rust on carnations is excusable, and it can be eradicated only by a year or two of care in airing, watering and supplying conditions least favorable to the growth of the fungus. But when fly can be killed by tobacco smoke and red spider by cold water, it is an evidence of willful neglect when plants suffer from their attacks.

In the old days when a brass syringe was used for spraying it was right down hard work, but now, when all syringing can be done by the skillful manipulation of a three-quarter-inch hose, it is simply a pleasure, and as pleasant for the rural gardener to wield a hose as for Sousa to jerk the baton. WM. SCOTT.

HEATING.

Mr. E. Buettner, Park Ridge, Ill., uses a steam pump for watering, and is now putting in a 30 horse-power horizontal boiler to take the place of the 15 horse-power upright he had been using. It is believed that the boiler of larger capacity will be as economical to run as the smaller one, as steam can be kept up in it with a low fire, while in the smaller one a sharp fire was necessary. And he relies upon his steam boiler for extra heat when needed in any of the houses.

His general heating is by hot water, but he has a steam main run through his shed with leads to each house, and it is a quick job to put a run of steam

MISCELLANEOUS SEASONABLE HINTS.

Primulas.

If you want any good early and large primulas for November and December sales, you should sow the seed not later than the middle of May. The Chinese primulas do not like heat, or a close, stuffy place, at any time, and there is no better place to sow the seed, or at least to place the pan as soon as they are up, than the frame, and this is the best place in which to summer over the plants.

Hydrangeas.

At this time of the year we are apt to neglect many things that are overlooked in the rush of business. As soon as the young hydrangeas are large enough to shift into a 4-inch pot they should have their tops pinched out and be plunged in a frame where protection from late frosts can be given if necessary; and never let them get crowded; a good, sturdy, stout growth should be encouraged from the start.

Keep the large hydrangeas, that are flowering or about to flower, well syringed. A few years ago we allowed a lot of fine plants to get covered with red spider just because syringing was neglected. This little pest attacks the flowers sooner than it does the leaves. The man whose duty it was to water these hydrangeas was much to blame, but where is the workman that will notice all these little things? The boss must keep his eyes open all the time, and if he scrutinizes all of his possessions at least once a day his workmen will absorb a little of his activity and "get a move on."

Poinsettias.

Someone wrote the other day that cuttings of poinsettia from the old plants that had been started and placed outside made better plants than cuttings grown inside. Whoever wrote it was perfectly right. It is, of course, too early to put the old plants out yet; the first of June is time enough, but the cuttings that are made outside are short-jointed, harder-wooded and will root better and make better plants.

April 1, or about that, is our date for starting up the old plants, but even if not yet done it is time enough, as cuttings made in June and July will make the very best pot plants. When you have obtained all the cuttings you need from the old plants, and you have a bench to spare, you can plant them and they will give you good flowers and a lot of them. Grown in pots, these old plants are sure to lose their leaves. A poinsettia will flourish in a lower temperature if planted out than it will if grown in pots. But the largest sale with us is for those in pots, and so we must grow them that way.

Asparagus Sprengeri.

I noticed this winter an increased and continuous demand for Asparagus Sprengeri. If you are not supplied with young plants, you should get some and be prepared, as soon as space permits, to plant a good many in boxes for next winter's use. A hanging basket is handsome, but not a convenient or economical way of growing it.

Perhaps a box at the end of a house, a few feet from the ground, will be



Astrocarium Argenteum.

pipe through a house in case of any accident to the hot water system. Simply a length of pipe without return will answer in an emergency, using a piece of hose at the end to carry the condensation to a drain, though of course it is better to have a return. Another expedient for an emergency is a number of small steam radiators that can be placed where wanted, connecting them with common hose.

He finds a run of steam pipe through a house very convenient when he wants to give that house a little higher temperature without disturbing the hot water system. And this is especially useful in the forcing of backward lilies.

One reason for the change from the upright to the horizontal type of boiler was that the water he uses produces a good deal of scale, and with the horizontal boiler there is opportunity to remove the scale without much difficulty, while with the upright it can be done only by taking out the old flues and putting in new ones, at a considerable annual expense.

ASTROCARYUM ARGENTEUM.

The astrocariums form a small group of palms that are chiefly found in South America, the total number of species that have been introduced up to this time being probably less than one dozen. The one we now illustrate is one of the best of the genus, and although in cultivation for about 25 years, it is seldom seen outside of a few private collections. This fact is

not due to its lack of beauty, but as we have before noted spiny palms are not generally popular, and consequently seldom cut much of a figure in trade collections, and the astrocariums are abundantly protected with spiny armor, a feature that becomes more prominent as the plant attains age.

The plant in question is a palm of rather slender stem and usually holds its foliage fairly well, providing the plant is well supplied with water, the latter being a point of some importance in connection with this genus, for the various species are, I believe, without exception, found growing naturally along the banks of rivers or in low and swampy ground. The leaves of *A. argenteum* grow to a considerable size, possibly to a length of ten feet, are divided into rather narrow pinnae, and these are dark green on the upper side, but the under sides are covered with a silvery coating or scurf as are also the stems, and from the latter characteristic the title of Silver Palm has been applied to this species.

In common with many of the pinnate leaved palms the foliage of the astrocariums does not show its perfect shape during the early years of the plant, and it is not unusual to see leaves composed of several broad segments on a young plant instead of the narrow divisions that will ultimately appear. As to the most suitable temperature for this plant, we can get a hint from the fact that its native place is the lowlands of Columbia, and we therefore find a warm house to be best

adapted for its culture, and that free syringing is required to avoid the attacks of red spider, and also abundant water at the root.

A good palm soil, such as one would use for *Areca lutescens*, will give satisfaction to the astrocarium, though I am of the opinion that the latter plant can utilize a larger proportion of manure than would be advisable for the areca, for the astrocariums are strong rooters. W. H. TAPLIN.

DR. TALMAGE ON FLOWERS.

Extract From His Easter Sermon.

The lily is the queen of Bible flowers. The rose may have disputed her throne in modern times, and won it; but the rose originally had only five petals. It was under the long-continued and intense gaze of the world that the rose blushed into its present beauty. In the Bible train, cassia and hyssop and frankincense and myrrh and spikenard and camphire and the rose follow the lily. Fourteen times in the Bible is the lily mentioned; only twice the rose. The rose may now have wider empire, but the lily reigned in the time of Esther, in the time of Solomon, in the time of Christ. Caesar had his throne on the hills. The lily had her throne in the valley. In the greatest sermon that was ever preached, there was only one flower, and that a lily. The Bedford dreamer, John Bunyan, entered the House of the Interpreter, and was shown a cluster of flowers, and was told to "consider the lilies."

* * *

The flowers are the angels of the grass. They all have voices. When the clouds speak, they thunder; when the whirlwinds speak, they scream; when the cataracts speak, they roar; but when the flowers speak, they always whisper. I stand here to interpret their message. What have you to say to us, O ye angels of the grass? This morning I mean to discuss what flowers are good for. That is my subject: What are flowers good for?

I remark, in the first place, they are good for lessons of God's providential care. That was Christ's first thought. All these flowers seem to address us today, saying: "God will give you apparel and food." We have no wheel with which to spin, no loom with which to weave, no sickle with which to harvest, no well-sweep with which to draw water; but God slakes our thirst with the dew, and God feeds us with the bread of the sunshine, and God has appareled us with more than Solomonic regality.

* * *

If you ask me the question: What are flowers good for? I respond, they are good for the bridal day. The bride must have them on her brow, and she must have them in her hand. The marriage altar must be covered with them. A wedding without flowers would be as inappropriate as a wedding without music. At such a

time they are for congratulation and prophecies of good. So much of the pathway of life is covered up with thorns we ought to cover the beginning with orange blossoms.

If you ask me the question: What are flowers good for? I answer, They are good to honor and comfort the obsequies. The worst gash ever made into the side of our poor earth is the gash of the grave. It is so deep, it is so cruel, it is so incurable, that it needs something to cover it up. Flowers for the casket, flowers for the hearse, flowers for the cemetery.

What a contrast between a grave in a country churchyard with the fence broken down and the tombstone aslant and the neighboring cattle browsing amid the mullein stalks and the Canada thistles, and a June morning in Greenwood, the wave of roseate bloom rolling to the top of the mounds and then breaking into foamy crests of white flowers all around the pillows of dust. It is the difference between sleeping under rags and sleeping under an embroidered blanket. We want Old Mortality with his chisel to go through all the graveyards in Christendom, and while he carries a chisel in one hand, we want Old Mortality to have some flower-seed in the palm of the other hand.

It was left for modern times to spell respect for the departed and comfort for the living in letters of floral Gospel. Pillow of flowers, meaning rest for the pilgrim who has got to the end of his journey. Anchor of flowers, suggesting the Christian hope which we have as an anchor of the soul, sure and steadfast. Cross of flowers, suggesting the tree on which our sins were slain. If I had my way, I would cover up all the dreamless sleepers, whether in golden-handled casket or pine box, whether a King's Mausoleum or potter's field, with radiant or aromatic arborescence. The Bible says: "In the midst of the garden there was a sepulcher." I wish that every sepulcher might be in the midst of a garden.

If you would ask me the question, What are flowers good for? I answer, For religious symbolism. Have you ever studied Scriptural flora? The Bible is an aboretum, it is a divine conservatory, it is a herbarium of exquisite beauty. If you want to illustrate the brevity of the brightest human life, you will quote from Job: "Man cometh forth as a flower and is cut down." Or will you quote from the Psalmist: "As the flower of the field so he perisheth; the wind passeth over it and it is gone." Or will you quote from Isaiah: "All flesh is grass, and the goodness thereof is as the flower of the field." Or will you quote from James the Apostle: "As the flower of the grass, so he passeth away." What graphic Bible symbolism!

Flowers also afford mighty symbo-

lism of Christ, who compared Himself to the ancient queen, the lily, and the modern queen, the rose, when He said: "I am the rose of Sharon and the lily of the valley." Redolent like the one, humble like the other. Like both, appropriate for the sad who want sympathizers, and for the rejoicing who want banqueters. Hovering over the marriage ceremony like a wedding bell, or folded like a chaplet on the pulseless heart of the dead. Oh, Christ! Let the perfume of Thy name be wafted all around the earth—lily and rose, lily and rose—until the wilderness, crimson into a garden, and the round earth turn into one great bud of immortal beauty laid against the warm heart of God. Snatch down from the world's banners eagle and lion, and put on lily and rose, lily and rose.

But, my friends, flowers have no grander use than when on Easter morning we celebrate the reanimation of Christ from the catacombs. The flowers spell resurrection. There is not a nook or corner in all the building but is touched with the incense. The women carried spices to the tomb of Christ, and they dropped spices all around about the tomb, and from these spices have grown all the flowers of Easter morn.

NEW YORK.

The Market.

We are having summer weather here today, May 2. The thermometer is somewhere above the eighties, and that means an exodus of the wealthy folks to all kinds of country homes, and besides that a great many are going to Europe. We would not mention these facts, only that the circumstances have an important influence on the florists' trade here. Still, it's an "ill wind," etc., and the prospects for a good Newport and other summer resort trade are very bright, looking at it from this end of the line.

Flowers, particularly roses, are coming in very poor, but they find an outlet somewhere. We notice that in Brooklyn they sell the roses direct from the growers' boxes on the principal streets at 2 cents each. Mr. Weir's daily purchase in the flower market these times could fill a good sized furniture van. There are the usual small wedding and other decorations, and the steamer work, which all require a certain amount of stock, but there is really nothing worth recording, either in quality of flowers or in elaborate work.

The very warm weather we have been having since I sent you my last notes has most wonderfully advanced all manner of vegetation. The trees and shrubs have bounded into leaf and bloom and the parks are once more places of pleasure and interest to the general public. There is one thing to be seen and admired most of all others in our city just now; here and there one comes across some grand old mag-

nolias, all in full bloom; even if they have dirty red brick walls as a background, they appeal to us in all their loveliness, and we wonder why more of them are not planted.

There is a most decided increase in the use of window boxes and vases filled with pansies; almost all the hotels and clubs have them, and many of the small plots in front of private dwellings are brightened with them.

Death of J. M. Thorburn.

We regret to have to record the death of one of the oldest pioneers of the seed trade. Mr. James M. Thorburn died here on April 24, aged 79 years. He was the head of the firm of J. M. Thorburn & Co., which has been established in the seed business here since 1802. "Thorburn's seeds" always were and are a guarantee of quality.

The deceased was ever ready to help the advancement of horticulture, and many there are in every branch of gardening who will regret to learn of his death.

Club Meeting.

The New York Florists' Club will hold its regular monthly meeting on Monday evening next, May 8, at 19 W. 27th street. Mr. E. M. Wood, of Natick, Mass., will open a discussion at this meeting; subject, "The Cut Flower Trade, Its Limitations and Its Possibilities." This promises to be a most interesting topic, and it is hoped there will be a large attendance.

The bowlers will meet that afternoon at 3 o'clock at 57th street and Sixth avenue.

Auction Sale of Orchids.

Orchid experts and others were very much in evidence at Cleary's auction rooms April 28. Sander & Co., of St. Albans, England, sent a thousand *Cattleya labiata*; they were in good condition and brought good prices. There were also some fine *C. Gigas* and a few other varieties of orchids which went at bargain rates. Dr. Kitchen, of Orange, N. J.; J. Roehrs, of Carlton Hill, N. J.; A. Herrington, of Madison, N. J., and H. A. Siebrecht, of New Rochelle, N. Y., were among the principal buyers from these parts. We were informed, however, that most of the stock was sold to growers out west. This looks as if the west was awake. However, orchids are destined to become even more popular than they are today; they represent the refined element, as it were, of floriculture.

Cleary conducted the sale very successfully. I tried to average up his talk and gave it up when he had spoken over 200,000 words in four hours, and you wouldn't think the fellow had a word in him when you meet him away from his place; he is certainly one of our wonders here.

Various Notes.

Our city is barricaded with cases of imported nursery stock; they are piled up everywhere. There never were so

many roses imported before, and the sales are enormous. One firm reports selling over 160,000 imported H. P. roses this season so far; the same firm has just got over a fine batch of 20,000 small ficus.

Bowling.

There was quite a large gathering of the boys at the alleys last night, and in consequence there was lots of enthusiasm. Some expert pool players whom it was impossible to get away from the tables were wishing that a pool tournament might be arranged for next August.

Following are the bowlers' achievements:

	1st.	2nd.	3rd.
T. J. Lang.....	139	166	186
A. S. Burns.....	163	119	160
F. Traendly.....	125	103	142
L. Hafner.....	146	129	
E. Leuly.....	123	165	113
T. Roehrs.....	153	143	121
J. Gillivary.....	120	110	99
J. Hammond.....	99	109	
J. I. Donlan.....	168	122	128
S. Butterfield.....	78	122	
M. Hansen.....	140	128	
P. Fischer.....	110	116	
H. Torrance.....	119	105	
T. Jansen.....	139	138	
J. Fitzgerald.....	104	113	

The return match or deciding games between the New York Florists' Club's bowlers and the Flatbush Florists' bowlers will take place on the alleys at the Central Opera House, 67th St. and 3rd Ave., on Saturday evening next, May 6, the games to start at 8 o'clock. There are six fine alleys there and lots of room for coaches.

IVERA.

A HANDY IMPLEMENT.

I send you a handy device for removing the pollen from Harrisii lilies. It can be made out of a piece of pine or cypress wood. Take a piece seven inches long and five-eighths of an inch square, run a rip-saw two or three



A Handy Device for Lily Growers.

times to within an inch of the end, take the sharp corners off and the device is ready for use. I find the work can be more readily and safely done with this simple device than with the fingers.

B. S. MEYERS.

Buffalo.

CHICAGO.

The Market.

The market is flooded with flowers and the demand is totally inadequate to move the supply. Still, even with the heavy supply good stock in roses is none too plenty, for they have suffered seriously as the result of the recent burning hot weather, and the average of quality has been very materially lowered. What few good roses there are move off very well, but in the lower grades the losses are serious. The situation has been much

aggravated by the removal of the Greeks from the streets by the city authorities. It is at such times of glut that this outlet for cheap stock is especially helpful to the market, and it certainly is unfortunate for the grower that the action should have been taken just at this time, for they will undoubtedly be back on the street again in a few days, when stock may be scarce again.

The Greek is certainly a decided factor in the market, as his absence since Sunday morning has proved conclusively. It is the clearing out of the poor end of a consignment that makes it possible for the commission man to bring up the average of his returns to the grower, and when the poor end is all loss, as at present, it hurts all around. Taking an average consignment of 500 roses on an average market, the results will be about as follows: About one-third, say 135, will be good, and of these 100 will bring \$4.00 and the remaining 35 will bring \$1.00, a total of \$5.00 for the cream; 185 will be fair, a hundred selling for \$2.00 and the 85 for \$1.00; the 180 remaining may bring \$1.00. This brings the total up to \$9.00. But if there is absolutely no sale for anything but the cream, the total returns will be only \$5.00 for the 500 roses, which makes a very low average. And the grower who sends in all low grade gets nothing at all, as his stock does not enter into the selling class. The Greek is really the only customer for this class.

Again, the presence of large quantities of unsold second class goods in the market has a depressing effect upon prices all around. Mr. E. E. Pleser, of Kennicott Bros. Co., illustrates this by quoting a remark made by a retailer, who said: "We needn't be in any hurry to buy now. With the fakir out of the way, we can always be sure of a supply in the afternoon if we want anything, and prices will be easier then." Kennicott Bros. Co. have been meeting the situation by presenting large lots of flowers to the hospitals, crediting the grower at the prices the stock would bring were the Greek in the market. A rather expensive operation for them, but which they believe to be the wisest course under the circumstances.

But the glut will probably have terminated by the time this is in print. On Tuesday there was a heavy storm and dark weather, which, following the heat, will undoubtedly shorten the supply, and even a scarcity may result. And the weather bureau reports a cold wave on the way from the northwest that is expected to reach Chicago this Thursday.

The bulk of the Harrisii lily crop has been cleaned up and prices are more nearly quotable again. W. E. Lynch pulled some of his growers out of a hole by carrying a lot of their lilies in cold storage until the worst of the glut was passed. In a temperature of 34 to 38 degrees some of them were carried three weeks and came out in good condition.

Parrot tulips are in and sell very

well. Trailing arbutus and good lilac also move well, though a good deal of the lilac is poor.

Various Items.

At Lincoln Park the tulips are now in splendid bloom. They are certainly as fine as ever before, though we hear reports of serious damage to these and other bulbs elsewhere. But many other supposedly hardy things have been seriously damaged or killed outright by the severe winter here as in other localities. Of the montbretias which have passed several winters safely not a vestige remains, and many more hardy subjects are either killed or sadly damaged. The sandy sub-soil is probably responsible for the fact that less damage was done here than in other places.

Head-Gardener Stromback has beds of stocks, pansies, verbenas and petunias already planted out.

We hear of very serious losses among hardy plants, shrubs and trees at Highland Park. Even the Norway spruce is included among the list of killed. The native Rosa setigera was badly injured, being damaged worse than the Crimson Rambler. Rosa rugosa was the only thing in the rose line that came through unscathed.

The rain of last Tuesday was very welcome. The fall of rain during April was the smallest for that month during the existence of the weather bureau.

Bassett & Washburn are now pretty well settled in their new quarters and have things admirably arranged for the handling of their large business.

E. H. Hunt is also getting things in definite order and is beginning to look ship-shape again after the general upheaval his place has been subjected to. Mrs. Hunt has returned from Denver, but Mr. Hunt will remain till the weather is more settled.

Mr. A. McAdams is now improving rapidly and it is expected that he will be removed from the hospital to his home this week.

Mr. Schultz, the florist of Hammond, Ind., was seriously injured in a runaway last Saturday.

Mr. S. B. Winter has retired from the wholesale cut flower commission business, having sold his fixtures and good will to Mr. W. E. Lynch. Mr. Lynch will now occupy the whole floor at 19 to 21 Randolph street.

Mr. H. Weber, of Oakland, Md., was a visitor last Tuesday. He had a lot of flowers of his fine new light pink carnation Genevieve Lord with him, and they were much admired by all who saw them.

J. A. Budlong has about completed three new houses, each 22x300, for American Beauties, and is preparing to erect two more of same size for carnations. All are to be heated by steam.

Charles Slek, for some time with E. C. Amling, has gone to Joliet to take charge of the floral department in the store of J. F. Wilcox & Co. there.

One of Mr. Amling's little daughters is down with diphtheria.

Adam Harrer is sending some remarkably fine white stocks to Ben-
they & Co.

At the meeting of the Florists' Club on Friday evening (May 5) there will be a general discussion on "Progress in greenhouse construction."

The new series of prize bowling games begin the evening of Friday, May 12.

Williams Bros. have leased greenhouses from Wm. Kirkham, at Maywood. One of the brothers has been with A. H. Schneider, at Oak Park, and the other with S. S. Bain, at Montreal. They will do a general business.

Mr. Lyman B. Crow, with the Lord & Burnham Company, Irvington-on-Hudson, N. Y., was a recent visitor.

BUFFALO.

From the frosts of Norway we have been climatically transferred to the heat of Porto Rico; 90 degrees in the shade. A mustered out member of the 202 regiment just arrived from the interior of Cuba was prostrated by the heat yesterday while witnessing a game of ball. His feeble mutterings could be just understood; it was: "Carry me to the canteen." The heat is something phenomenal and makes the man who is planting shrubs and trees get a hustle on him or leaves and blossoms will be here; and they will be here in all their beauty as soon as we get the rain that is so wished for and so much needed.

Pansies are a scarce article this year. Never before have I noticed such a scarcity. The man with a hundred thousand good plants in flower now would make a very comfortable little sum and have the market all to himself. In our extremity we sent to an eastern pansy man who advertised "fine plants in bud and flower." When they arrived we tried to separate the plants from the ground they were packed in by running them through a half-inch mesh sieve, but plants as well as "dirt" fell through. We put on a magnifying pair of spectacles and picked them out by hand. What a pity people will not back up their advertisements with the article as represented. We expect such humbug from patent medicine men, and a few (only a few) big but bogus florists, but they don't go fishing for suckers in the trade journals; they cast their nets in the "Ladies Home Journal" and other such insipid publications.

Carlyle, the sage of Chelsea, said: "England contains a population of about 30 millions, mostly fools." In larger figures the same proportion exists in this large country, else how could a firm keep a small army of bookkeepers and correspondents and cashiers and everything else but growers, to fill such orders as this advertisement would doubtless bring. I quote from memory but I know it's just about as it appeared four or five years ago in all the leading Sunday

papers of the country: "The Jewell Rose. This magnificent rose will produce grand flowers in six different colors, including red, crimson, pink, white, yellow and variegated. Strong plants ready to flower, by mail 35 cents each, two for 50 cents." A decoy letter was sent to this immense office and back came a printed form (printed, mind, showing the use or need of lots of them): "Dear Sir: Your remittance of 50 cents received. We are at present sold out of the Jewell rose. Shall we substitute something in place or hold remittance and ship roses when our stock is again replenished?" I answered, "hold remittance, we want the Jewell rose very bad." And they have obeyed orders, for they have held the 50 cents ever since. It must be at least five years ago and we are still pining for our Jewell.

Reverting once more to pansies: Zero and below without snow is not conducive to the health of pansies in the open field. Mr. Nelson Brown, of Corfu, planted 140 thousand and has lost 80 thousand.

The Bowling club rolled their last game on Tuesday night; too hot and too much work to permit bowling for the next two months. We have not disbanded, because we have a nice lump in the treasury.

Mr. Rebstock had a good sized wedding decoration at Temple Beth Zion last week. Business fair to good. Mr. Fotheringham, of Tarrytown was here, and as he was the only drummer in town for a week he was alone in his glory.

Mr. Charles Havenith, the young gentleman from Belgium, has left the environments of Cold Springs to participate in carnation culture at Corfu, and his second day's experience in that quiet village was assisting to put out a fire which wiped out the best half of the business portion of the village. It might have been worse. Two hotels and three churches are left, so the community can be spiritually refreshed either way. W. S.

BOSTON.

Review of the Market.

A repetition of the previous week has been the state of the cut flower trade during the past few days, and it now looks like a season of dullness, with perhaps a break for a day or two at Decoration. The retailers are still taking contract stuff at fair prices, but the quantity of second and third grade goods is almost unquotable. The market is now well supplied with the fragrant arbutus, which has superseded the violet as the popular street flower, and has to a great extent been the means of decreasing the demand for florists' stock, but this is to be expected at this season, and now it is a case of get all you can.

Roses have not as yet shown the

signs of the warm weather and still come in, of good size and nice, clean foliage. Brides and Maids are quotable from \$2 to \$8 per 100, a few bringing a trifle more; Jacks run about the same as last week; Beauties can be bought anywhere from 25 cents to \$3 per dozen. Carnations are increasing in quantity, but with only a few very fine ones; the asking prices are from \$1 to \$2 per 100; fancies bring about the usual price. Violets dull; quotable at 25 and 35 cents per 100; lilies 50 cents per dozen; daffodils and tulips, \$2 to \$3 per 100; valley, \$3 and \$4.

The News.

Galvin & Co., 2 Ordway Place, have moved to Soule Place, off Milk street, where they are ready to receive their many friends.

MacDonald, of Temple Place, is headquarters for some elegant May-flowers. He controls about all that come from Plymouth way and a large quantity is coming of that beautiful pink tinge which makes it so attractive.

Thomas F. Galvin has returned from his trip to Cuba, where he has an interest in a palm nursery. He is quite enthusiastic over the prospects and says it is surprising how quickly you can grow a salable plant in that climate. P.

ST. LOUIS.

The Market.

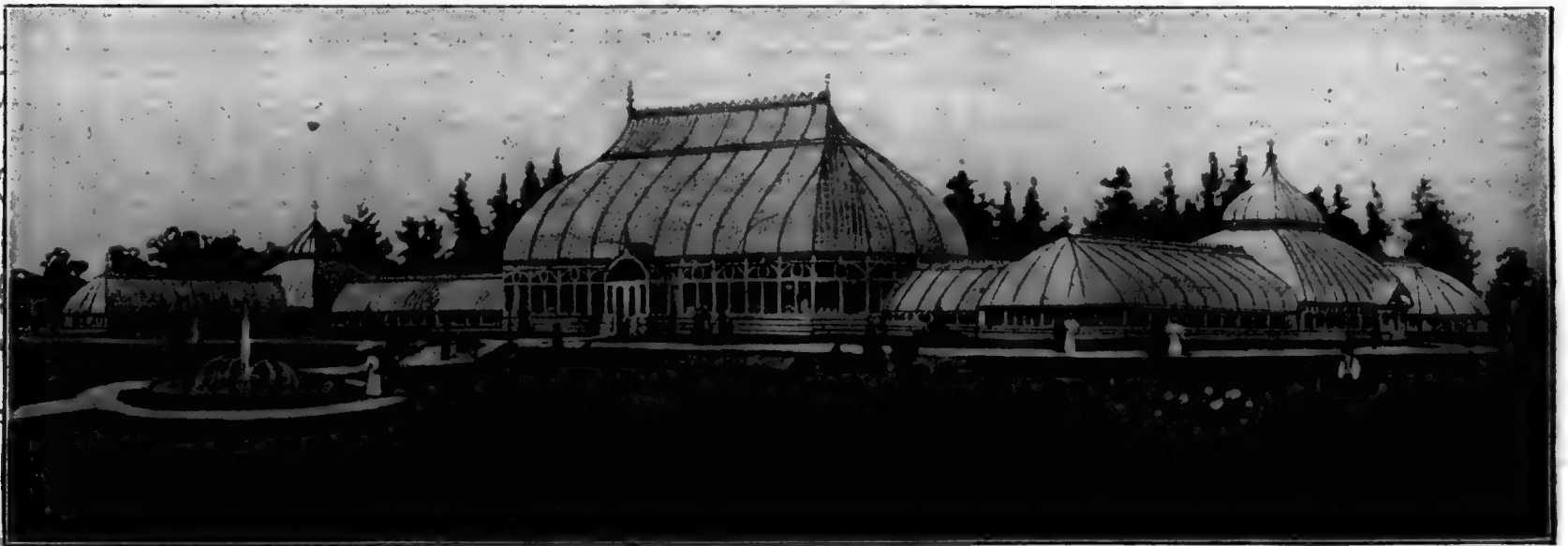
Flowers are still very plentiful with us, although the warm weather has seriously injured the quality of the stock. Shipping trade has been cut off considerably, owing to the hot weather. The beginning of the past week prices were firm, as far as good stock was concerned, but later on went down and even good stock could be bought cheap. Great quantities of poor stock is sold every day at a very low figure. First Beauties are not over-plentiful, but many short stemmed ones are coming in which are sold very cheap, and the fakir gets most of them; the few first-class ones bring \$3 per dozen and the regular demand keeps up the price; Brides have been in good demand, but were scarce, and brought \$4 to \$6 for the best; Meteors, Maids and Perles are plentiful and sell at from \$1 to \$4.

Carnations are a glut, only the very best of stock bringing anything like a price; the bulk of the stock goes for \$1; in 1,000 lots, much cheaper; plenty of reds now and white is always in demand for funeral work.

Bulb stock is about all cut out except Harrisii and callas. Harrisii sell at \$5 and \$6, but are too plentiful, many of them going to the dump pile. Valley is in good demand but very scarce. Sweet peas range from 75 cents to \$1; good long stemmed flowers sell well. A few good gladiolus are seen. All spring flowers are in full bloom. Lilac is all in bloom and will soon be over; some snow balls are



FRONT VIEW.



REAR VIEW.

The Conservatories at Schenley Park, Pittsburg.
[Erected by Lord & Burnham Co.]

seen but are not salable. Irises, daffodils, Poets' narcissus, hyacinths and tulips are seen everywhere. Ferns are still very scarce; smilax and asparagus are selling well. The market trade in plants has improved during the past week, and prices are better. This branch of the trade promises to be better than last season, as all house plants were frozen out the past winter.

The nurserymen claim that the spring was too short; that the trees and shrubs are too far advanced in leaf and that tree planting is practically stopped.

Notes.

The next meeting of the club will be held May 11 at 3 p. m. This will be a miscellaneous meeting and members are requested to bring whatever they can spare, in order to make the meeting interesting. The trustees say that an essay will be read, but they want to keep secret the name of the member, and say that it will be worth your while to come and hear it.

Mr. Andrew Meyer, Sr., the South

Jefferson avenue florist, is reported very sick and from last reports was about to have an operation performed. We hope for Mr. Meyers speedy recovery.

Samuel Wiggins Ridgely, son of Park Commissioner Ridgely, died of diphtheria, Sunday afternoon, at the home of his father, aged 35. Mr. Ridgely has the sympathy of all the florists.

Bowling.

The Bowling Club had a very poor attendance Monday night, owing to the hot weather. Only five of the regulars were at the alleys. The scores are as follows:

	1	2	3	4	5	Tot.	Av.
J. J. Beneke.....	210	115	155	169	132	781	156
C. C. Sanders....	146	178	125	166	141	756	151
J. W. Kunz.....	145	128	153	143	146	715	141
C. A. Kuehn.....	135	137	166	126	108	672	134
John Young	123	145	117	128	518	130	
J. J. B.							

TARRYTOWN, N. Y.

The regular monthly meeting of the Tarrytown Horticultural Society was held in Cooke & McCord's seed store, on Saturday evening, the 28th ult.,

President Cockburn presiding over a very good attendance. A good collection of Magnolias, including *M. Lennel*, *M. conspicua*, *M. c. Soulangiana*, were exhibited by L. A. Martin, gardener to Mrs. C. C. Worthington, Irvington, for which the society's certificate of honorable mention was awarded. W. Scott, gardener to Mrs. G. C. Eastman, Tarrytown, read a very able, instructive and interesting paper on "The Aims and Benefits of a Horticultural Society."

The executive committee was instructed to formulate a means of raising funds for the holding of a chrysanthemum show in the fall. The members present desired to have the society's transactions as widely published as possible, and Jas. T. Scott, Gracemere, Tarrytown, was appointed reporting secretary, with instructions to report the same to such horticultural papers as might be interested. The permanent meeting night was fixed as the last Thursday night of every month, and the meeting place the Vanderbilt building. JAS. T. SCOTT.

DENVER, COLO.

The Bowling Club made the following scores at their practice games April 27. Mr. Geo. Zimmer of Omaha, who has come to live with us, played his initial game and made a good start. The scores are as follows:

	1	2	3	4	5	Av.
Chas. Mauff	171	152	223	204	169	183
Robt. Kurth	181	180	191	164	179	
John Berry	130	176	173	209	162	170
A. E. Mauff	191	147	185	140	165	
Chas. Meyer	211	185	140	152	138	165
Geo. Brinkert	157	155	203	140	161	
Chas. Franz	160	145	140	139	158	148
Gus Zimmer	117	167	176	114	143	
John Ferris	144	130	131	160	141	

J. B.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

WANTED—Young man as assistant in cut flower growing establishment. Adam Harrer, Niles Center, Ill.

SITUATION WANTED—By a first-class all 'round florist, single; 23 years experience; grower of roses a specialty, carnations, mums and general stock; good propagator; best of references. Address O. P., care of Florists' Review.

FOR SALE—Two double greenhouses, 25,500 sq. ft. of glass, and 20-acre farm half in bearing fruit trees; 8-room house, barn and out buildings all in good order; 30 miles from Philadelphia. Death of owner reason for selling. Full particulars by addressing E. M. Hewitt, 639 Grape Street, Vineland, N. J.

FOR RENT OR SALE—First class retail stand, 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

SITUATION WANTED—A first class florist and decorator, at present employed by one of the most progressive and up to date florists in the country, wishes to make a change. Full particulars may be had by addressing G. W., care of Florists' Review.

BUSINESS OPPORTUNITY.

A rare opportunity is open to a hustling business man with some capital to get into a well established and profitable business. A chance of a life-time. Those meaning business may obtain particulars by addressing

ROX, care of Florists' Review.

WANTED....

Several men as helpers in our rose houses. Apply ready for work to
BASSETT & WASHBURN,
Hinsdale, Ill.

FOR SALE—Rare Chance

A well established and paying florist's business, consisting of 12,000 sq. ft. of glass, centrally located on principal thoroughfare of thriving city in gas belt. Population 25,000. Only greenhouse in city limits. Death of proprietor reason for selling. For particulars address

MRS. HENRY MICHEL, Marlon, Ind. (Grant Co.)

FLAMINGO

CANNA.
Scarce, True,
Heat Crimson
4-in. pot
plants, 50c a
doz.

Asparagus Sprengerii, suitable for 10-in. pots, \$1.50 a doz. Blue Spirea and English Ivy, from flats, \$1.00 a 100; 25c a doz. Coral Clematis, flats, \$2.00 a 100; 50c a doz. Cash with order, please.

RONEY BROS., Florists, West Grove, Pa.

Mention The Review when you write.



Butted Glass.

This is no longer an experiment, it has come to stay. There are various ways of making Butted Roofs, but the best way is with the

Clipper Bar.

With this bar you can make a roof that is absolutely free from drip, and glass cannot be torn out by the wind. Butted glass makes a tight roof, a warm house and saves fuel. It lasts longer, looks better and costs less than the old-fashioned roof. But do not think that this is the only bar we sell, for it is not; we furnish what people want and there is nothing in greenhouse material that you cannot get from us, and all of open-air-dried Cypress clear of bright sap, stained sap, knots and all other defects.

Lockland Lumber Co.

Write for Circulars
or Estimates.

Lockland, Ohio.

Mention The Review when you write.

McKELLAR & WINTERSON,

Wholesale Florists,

45-47-49 Wabash Avenue.

CHICAGO.

OUR SPECIALTIES:

We have the
LARGEST WHOLESALE
House in Chicago.

**Orchids, High-Grade Roses,
Carnations and Violets.**

Full Line FLORISTS' SUPPLIES, Seeds, Bulbs, Hardy Stock.

Mention The Review when you write.

BENTHEY & CO.

F. F. BENTHEY,
Manager.

Wholesale and Commission Florists,

41 Randolph Street,

Consignments
Solicited

...CHICAGO.

Mention The Review when you write.

For Sale at a Great ...Bargain...

50 glazed hot bed sash, 8 ft. x 5 ft. 6 inches; well painted, used only two seasons. Cost \$2.00 each; will sell now for \$1.00 each, f. o. b. cars here.

THE VIRGINIA FLORAL CO., Lindsay, Va.

Mention The Review when you write.

Always Mention the...

Florists' Review

When Writing Advertisers.

Wholesale Price List.

	Per 100
Beauties, long.....	\$18.00 to \$25.00
" medium..	10.00 to 15.00
Maids, Brides, Me- teors.....	8.00 to 5.00
Perles.....	2.00 to 4.00
Carnations, long....	.75 to 1.00
" fancy ..	1.50
" fancy sorts	2.00 to 8.00
Harrisii.....	5.00 to 8.00
Callas.....	5.00 to 8.00
Violets.....	.50 to .75
Valley.....	8.00 to 4.00
Daffodils.....	2.00 to 8.00
Tulips.....	2.00 to 4.00
Marguerites.....	.50 to .75
Smilax.....	20.00 to 25.00
Adiantum.....	1.00
Asparagus.....	50.00 to 75.00
Common Ferns.....	.35

**Sandusky Carnation, \$10.00 per 100,
75.00 per 1000.**

GERANIUMS.

In bud and bloom.

Ready for market and bedding purposes.

Beaute Poitevine, Mrs E. G. Hill,
Glorie de France, La Favorite, Heteranthe,
Mme. Bruant, and many others.

From 3 and 4-inch pots, \$5.00 and \$8.00 per 100.
Cash with order, please.

W. E. HALL, CLYDE, Ohio.

Mention The Review when you write.



Verbena King

SAYS:

Jones pays the freight—So do we on all rooted cuttings, and until further notice we will sell our fine **Flammoth Verbenas** at 60c per 100, \$5 per 1000; all well rooted, true to name, strictly free from rust or mildew. Our Verbenas go everywhere, it makes no difference where you live we guarantee to reach you in safety and guarantee satisfaction; what

more can you ask? Just try us and we will do the rest. We can fill all orders for Verbenas, it matters not how large the order may be, at the following prices: 60c per 100, \$5 per 1,000; 5,000 for \$22; 10,000 for \$40; 25,000 for \$95; 50,000 for \$175. Yes, and we have them, too.

OUR MAMMOTH VERBENA PLANTS are now ready, they are fine strong plants and will surely please you, at \$2.00 per 100, \$18.00 per 1000.

LOOK HERE! CARNATIONS—To move them quick—Flora Hill, Mayor Pingree, Morello and Daybreak, \$1.50 per 100; Portia, McGowan and Wm. Scott, \$1.00 per 100; \$7.50 per 1000.

THAT CASH, PLEASE.

Send for new descriptive list.

C. HUMFELD, Clay Center, Kan.

THE ROOTED CUTTING SPECIALIST.

Mention The Review when you write.

100,000 Rooted Violets

AT A BARGAIN.

	Per 1000
Princess of Wales, strong rooted cuttings...	\$ 5.00
California, " " "	5.00
La France, " " "	10.00
Ebles Giant, the greatest single violet in cultivation, strong rooted cuttings...	7.50
Lady Hume Campbell, " " "	5.00
Marie Louise, " " "	5.00
Farquhar, " " "	5.00

Write for prices on potted plants.
All sizes in stock.

THE VIRGINIA FLORAL CO.,

C. & O. E. B.

Lindsay, Va.

Mention The Review when you write.



Palms and Ferns

The Largest Stock of Plants in the West.

Send us your name and we will keep you posted when we have anything special to offer.

GEO. WITTBOLD, 1708 N. Halsted St. CHICAGO.

Mention The Review when you write.

H.W. BUCKBEE

Seed Specialist,

Rockford Seed Farms.

Forest City Greenhouses.

Lock Box 911.

ROCKFORD, ILL.

Special Prices Upon Application.

Mention The Review when you write.

The Cottage Gardens,

C. W. WARD, QUEENS, L. I.

Manager.

WHOLESALE GROWERS

FLORISTS' SPECIALTIES.

Brilliant Green and Bronze

Galax Leaves

CHAS. H. RICKSECKER, Linville, Mitchell Co. N. C.

New Geraniums, New Cannas, &c.

GERANIUMS Bruant's recent introductions. 10 Splendid new Doubles, the set for \$2.25. 3 Splendid New Singles, the set for 50 cents. 5 Splendid New Bruants, the set for 80 cents. 3 Splendid New Aureole Section, the set for 50 cents. Geraniums, Standard Varieties, \$3.00 per 100, \$20.00 per 1000.

CANNAS All the Best New and Standard Varieties. President Cleveland, best bright scarlet for massing, \$6.00 per 100. Duke of Marlborough, President McKinley, Robert Christie, \$10.00 per 100. Chicago, Souv. de Antoine Crozy and President Carnot, \$4.00 per 100. Mrs. Fairman Rogers, Queen Charlotte, Mad. Crozy, F. Vaughan and A. Bouvier, \$3.00 per 100, \$25.00 per 1000. Cannas, ou selection, all good standard varieties, \$2.00 per 100, \$15.00 per 1000.

ROSES Strong 2 year field grown Hybrid Perpetual in fine assortment, \$10.00 per 100; Moss in fine assortment, \$9.00 per 100; Climbing in assortment, \$5.00 per 100; Wichuriana (Memorial Rose) \$4.00 per 100. **Roses 2 1-2 inch pot plants**—300,000 2½ inch pot plants, Tea and Everblooming, in large assortment, \$2.50 per 100, \$20.00 per 1000. Hybrid Perpetual, 2½ inch pots, \$4.00 per 100, \$35.00 per 1000. Climbing, 2½ inch pots, \$3.50 per 100, \$30.00 per 1000. Clotilde Soupert (Strong), \$3.00 per 100, \$25.00 per 1000. Mosella (Yellow Soupert), \$3.00 per 100, \$25.00 per 1000.

EULALIAS strong clumps, Japonica Zebrina, Japonica Variegata and Gracilis Univittata, \$5.00 per 100.

CHRYSANTHEMUMS Choice collection of best market varieties, including best of last season's introductions, \$3.00 per 100, \$25.00 per 1000.

DAHLIAS, whole roots, field grown, \$7.00 per 100, \$60.00 per 1000.

AMPELOPSIS VEITCHII, \$8.00 per 100.

CLEMATIS, three years, large flowered varieties, \$25.00 per 100.

For full assortment of greenhouse stock write for **Florists' Wholesale Price List No. 5**. If in want of Ornamental or Fruit Trees, Shrubs, Vines, Small Fruits, etc., see our Nurseryman's Trade List, or write us for prices.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention The Review when you write.

Cape Flowers.

NEW CROP.

JUST ARRIVED.

EXTRA FINE and LARGE. Special price for case lots.

M. RICE & CO.

**Importers, 25 North Fourth Street,
Philadelphia, Pa.**

Mention the Review when you write.

Rooted Runners from MARIE LOUISE VIOLETS

which have borne 100 flowers per plant this last winter. ... From now until May 15th will sell good Rooted Cuttings at \$3.00 per 1000. Come and see for yourselves, dear friends, and I will prove to you that my stock is clean, free from disease and first-class in every respect. Money refunded if not just as I say. Cash with order.
C. LAWRTZEN, Bx. 262, Rhinebeck-on-Hudson, N.Y.

Mention The Review when you write.

Princess of Wales Violets....

Strong rooted crowns or divided plants.

\$8.00 per 1000; Unrooted Cuttings, \$3.00 per 1000
True stock, no disease, best Violet in the market for commercial use.

CHAS. W. REIMERS, 329 4th Ave., Louisville, Ky.
Mention The Review when you write.

E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention the Review when you write.

GRAND RAPIDS.

The heat of the past week has been excessive; regular July weather, and business is at a standstill. Roses are poor in quality and violets are entirely out of the market.

The public is convinced that this weather is here to stay and is beginning to order bedding plants, baskets, boxes, etc.

The Florists' Club will meet at the Eagle House Tuesday night. The meeting will be important, as a strong effort is being made to get every florist in town to be present and ratify the new price list of bedding stock, as made up by the committee. All seem anxious to return to the old list in use six or seven years ago. Crabb & Hunter have started two new houses; one, 150x35, for their seedling carnation Irene; the other, 130x24, for violets. Paul Goebel will also build a new house for carnations and bedding stock.

GEORGE F. CRABB.

NEW PINK CARNATION.

We have received from Messrs. H. Weber & Sons, Oakland, Md., blooms of their new light pink carnation Genevieve Lord, and it certainly is a beauty. The flowers are three inches in diameter, of fine form, well built up, borne on stems long enough and stout enough to satisfy any one, and the color is an exceedingly pleasing shade of light-pink. There is surely a future for this fine variety.

ADRIAN, MICH.—Nathan Smith & Son recently received an importation of eleven cases of orchids, and are evidently going into orchid culture.

YPSILANTI, MICH.—Charles F. Krzysske, the florist, and Miss Elizabeth Engle were married last week.


WHOLESALE FLORIST,

11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.

Mention The Review when you write.

REINBERG BROS.Wholesale
Growers of**Cut Flowers**

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.**51 Wabash Ave., CHICAGO**

Mention The Review when you write.

Bassett & Washburn**76 Wabash Ave., CHICAGO, ILL.**Wholesale Growers of
and Dealers in **CUT FLOWERS**

Greenhouses at Hinsdale, Ill.

Mention the Review when you write.



Lynch
WHOLESALE FLORIST
19-21
E. RANDOLPH ST.
CHICAGO

Our prices are as low as any
and our stock superior.
We ask for a trial order.

Mention The Review when you write.

A. L. RANDALL
Telephone 1496
Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better
prepared than ever to handle your orders.
Mention The Review when you write.

WHOLESALE DEALER IN
GROWER OF ROSES. CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.
Mention The Review when you write.

Cincinnati
Cut Flower Co.
416 Walnut St. Wholesale Florists
CINCINNATI, O.

W. A. MANN.
FRANK W. BALL.

Consignments Solicited.
Special Attention Given to Shipping Orders.
Mention The Review when you write.

800,000
FEET
OF
GLASS.No
charge
for
packing.**Wholesale Price List.****AMERICAN BEAUTY**

Extra long stem .. per doz.	\$3.00
24-inch stem	2.50
20 "	2.00
15 "	1.50
12 "	1.25
8 "	1.00
METEOR	per 100, 3.00 to 5.00
BRIDESMAID	per 100, 3.00 to 5.00
BRIDE	" 3.00 to 5.00
PERLE	" 3.00 to 5.00
CARNATIONS	" 1.00 to 1.50
" fancy ..	2.00 to 3.00

Quotations subject to change without notice.
All other stock at lowest market prices.

**C. A. KUEHN WHOLESALE
FLORIST**

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral
Designs. A full line of supplies always on
hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.
Mention Florists' Review when you write.



H. G. BERNING,
(Successor to
St. Louis Cut Flower Co.)
**WHOLESALE
FLORIST,**
1322 Pine Street,
ST. LOUIS, MO.

Mention The Review when you write.

**ELLISON & TESSON,
WHOLESALE SHIPPING
FLORISTS**

3134 Olive Street, ST. LOUIS, MO.
...Home Grown Stock...

Mention The Review when you write.

**Maplewood Cut Flower and
Plant Co. GEO. M. KELLOGG, Pres.**Growers of **CUT FLOWERS** at Wholesale.

Regular shipping orders given special attention. We
have the largest plant west of Chicago.

Store: **906 Grand Ave., KANSAS CITY, MO.**
Greenhouses; Pleasant Hill, Mo.

Mention The Review when you write.



ORCHIDS

Laelia Anceps Alba,

Just arrived in fine condition.

L. Anceps and L. Autumnalis expected shortly.
Lager & Hurrell, Growers and Importers.... Summit, N. J.

Mention The Review when you write.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS AND FLORISTS' SUPPLIES,
42 and 44 Randolph St., Chicago, Ill.

Long Distance Telephone Central 466.

We Sell.....

Evanston Carnation Cuttings

and the variety is a winner.

Rooted Cuttings,

\$7.00 per hundred,

\$60.00 per thousand,

500 at the thousand rate.

WHOLESALE PRICE LIST.

SUBJECT TO CHANGE WITHOUT NOTICE.

We always ship Extra Select or High Grade Goods unless otherwise ordered.

P. and D. at cost.	Price per 100	P. and D. at cost.	Price per 100
American Beauties, medium	\$10.00	Harrisii	\$8.00 to \$8.00
" " fancy, fair length	15.00 to 18.00	Callas	6.00 to 8.00
" " fancy, long stem	30.00	Violets, fine	.30 to .60
Meteors, extra select	\$4.00 to 5.00	Valley	4.00
Brides, Maids, extra select	4.00 to 5.00	Romans	4.00
Brides, Meteors, Maids, good average	3.00 to 4.00	Narcissus	1.00 to 2.00
Perles, extra select	2.00 to 3.00	Smilax	18.00 to 20.00
Roses, our selection	3.00	Adiantum	.60 to 1.00
Carnations, extra select	1.50 to 2.00	Asparagus, per string	.50 to .65
" good average stock	1.00	Galax	1.50 per 1000
" White	1.00 to 1.50	Common Ferns	40c
" our selection	1.00		

Above prices are subject to change without notice. All flowers in season at lowest market rates. **FLORISTS' SUPPLIES and WIRE WORK a specialty.** On Wire Goods we can discount our own or any other list. Write for particulars. Our store open week days until 6:30 P. M.; Sundays and Holidays until noon only.

Mention the Review when you write.

The Imperial Violet.

Number of plants in full bearing, 2,970	
No. of No. 1 Violets picked in October	30,500
" " " " November	38,500
" " " " December	39,000
" " " " January	23,585
" " " " February	33,500

Average per plant of No. 1 blooms, almost 57

Isn't this a pretty good record? And for these I received from \$2.50 to \$1.00 per 100. Can you equal this? And the plants are still throwing as many flowers, if not more than ever.

I cannot begin to supply the demand for this superb violet; the way things look now, I shall not be able to supply the demand for rooted cuttings. If you get left, you will only blame yourself. My new book on Violet Culture goes with every order for cuttings.

The violet is the largest, most double, longest stemmed, color so dark as to look almost artificial; healthy; and as the record shows, a very free bloomer. The parent plant of this magnificent variety gave me 118 of the finest flowers you ever saw.

Price per 1,000... \$90.00 Per 100..... \$10.00
 per 500... 45.00 Per dozen... 1.50

Rooted Cuttings will be delivered as the weather will permit. Now ready, about 5,000. Address

W. L. MINOR, 588 Belmont St., BROCKTON, MASS.

Mention the Review when you write.

ANTON SCHULTHEIS, P. O. Box 78...
 College Point, Queens Borough, N. Y.
 HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity

Come, see Ericas (Heather), also Full Line of Other Flowering Plants
 and convince yourself. Price List on Application.

Mention The Florists' Review when writing advertisers.

THE REPRESENTATIVE OF

Messrs. H. Zyp & Co.,

UITGEEST, HOLLAND,

will sail from New York about May 1st. The friends who have not yet placed their orders are respectfully requested to send the same to

Mr. H. ZYP,

Care of Messrs. KNAUTH, NACHOD & KÜHNE, 13 William St., New York.

Mention The Review when you write.

VIOLETS - DAISIES - CARNATIONS

L. H. Campbell, California, strong rooted runners, 60c per 100, \$5 per 1000. Princess of Wales, Swanley White, 75c per 100, \$7 per 1000. La France, fine, \$1 per doz., \$5 per 100.

Wm. Scott, selected stock, rooted cuttings, \$1.25 per 100, \$10 per 1000.

The two Giant Daisies, California Giant and Etolle de Lyon, a yellow giant, 2 1/4-inch pots, strong, 75c per doz., \$5 per 100. Cash with order, please.

P. M. DeWITT, Torresdale, Phila., Pa.
 Mention The Review when you write.

Asparagus Plumosus Nanus.

	Per 100.
1000 Asparagus Plumosus Nanus, 4-in. pots	\$15.00
1000 " " " " " "	18.00
200 " " " " " "	25.00
300 " " " " " "	35.00

Asparagus Seed, home grown, \$1 per 100, \$9 per 1000
 Write for prices on Carnation Cuttings.

W. F. Kasting, 495 Washington St. Buffalo, N. Y.

Mention The Review when you write.

GOLD FISH and AQUARIUM SUPPLIES.

KEENAN'S SEED STORE. 6112 and 6114 Wentworth Avenue, CHICAGO

Mention The Review when you write.

THE HARRISII DISEASE can be prevented by immersing the bulbs for 5 hours in a half solution of Kraft's Plant Tonic

This has been conclusively proven by experiments at Lincoln Park, Chicago. The Tonic also kills Hard Shelled Scale, Mooty Bug, and other insect pests without injury to the plant. Send for circular.

KRAFT PLANT TONIC CO. Rockford, Ill.
 Mention the Review when you write.

TELEGRAPH CODE.

In telegraphing orders to any of the wholesale dealers in cut flowers use the following code:

Assume—Do not answer if cannot fill order.
Abrogate—In case you cannot fill order, telegraph at once.
Anticipate—Answer at once, stating whether you can or cannot fill order.
Ambition—If you can only partially fill order, do so, and reply, stating what.
Admiral—Order must be sent on train mentioned only.
Ambulance—Want all of order filled or none, and prompt answer back.
Adjacent—If cannot send on train mentioned, next one will do.
Affable—Send prepaid by baggage master, if no express messenger on train.
Decorate—If cannot send all on train mentioned, send all you can, and send balance on next train.
Admission—This order is a substitute for my regular order.
Dancing—If cannot fill order exactly as specified, you may substitute according to your best judgment.
Ancestor—This order is an addition to my regular order.
Durable—Colored flowers must not be substituted for white.
Affection—Fill if possible, even at extra expense.
Fabricate—Flowers ordered are to be re-shipped to a distance, therefore buds must be cut specially close.
Fortunate—Select extra stock and charge accordingly.
Devotion—For cheap work, and can use second-class flowers, if at reduced price.
Flattery—If price has advanced since last quotation, do not send goods, but telegraph.
Forgery—This order countermands all previous orders.
Formation—Add these items to the order which you already have, but in case first order is already shipped, cancel this addition.
Flamingo—We are in a bad pinch; send us something to help us out, even if of poor quality.
Flocking—Have sent mail order; if not yet received, send following at once, and cancel mail order when received.
Foraging—This order includes all items previously ordered and wanted for this date.
Superior—Can use something especially fine, and am willing to pay accordingly.
Skip—If you are out, buy the best you can; we accept risk of getting "pickled" stock.
Corporal—If cannot send on night train, morning train will do.

**THE CODE BELOW WILL BE USED
IN ANSWERING YOU, WHEN
NECESSARY.**

Elope—Cannot fill your order to-day. Stock is scarce. Have tried to buy at other houses for you.
Lecture—Our store was closed yesterday when your telegram came. Received it this morning. Will ship by first train to-day, unless countermanded at once.
Willing—Cannot ship on train mentioned. Will send on next train possible to-day.
Eclipse—Will send part of your order. Balance scarce. Cannot get it at any price to-day.
Artistic—Cannot fill order to-day, if you want order filled (same order) to-morrow, wire us at once.
Favorite—Stock very poor, none better to be had. Will ship unless countermanded by..... o'clock.
Fundament—Stock named in this telegram has been sent, and balance, unless countermanded by telegram, will be sent on.....

SOLD!

All our Geraniums are sold except a few thousand **Skeleton Rose**, \$2 per 100; 2½-in. pots, \$3.00 per 100.
COLEUS, by the 1,000, 10,000 or 50,000. Now ready **Crimson Verschaffeltii** and **Golden Queen**, \$8 per 1000; in variety, \$5 per 1000. **Verschaffeltii** and **Queen** in 2-in. pots, \$15 per 1000.
Giant Alyssum, 2½-in. pots, \$3 per 100; rooted cuttings, \$1 per 100.
Ageratum, blue and white, 80c per 100; \$5 per 1000.
Fuchsias, standard sorts, \$1.50 per 100; \$12 per 1000; 2½-in. pots, \$3 per 100.
Feverfew, **Little Gem**, from flats, \$1.25 per 100; \$10.00 per 1000.
Marguerite, **Double Golden**, \$2 per 100.
Double Petunias, \$1.50 per 100.
Salvia, **Splendens** and **Bedman**, \$1 per 100.
Heliotrope, 6 varieties, \$1 per 100; \$9 per 1000.
Vincas var., cuttings, \$1.25 per 100; 4-in. stock, fine, \$6 per 100; \$30 per 1000.
The above are rooted cuttings except where noted.
Cash must accompany all orders.

J. H. FELTHOUSEN, Schenectady, N. Y.
Mention The Review when you write.

REGULAR SHIPPING ORDERS RECEIVE
SPECIAL ATTENTION.



W. P. TOR BROS.

Wholesale Growers of

CUT FLOWERS,

51 Wabash Ave., CHICAGO.

We have 6,000 Meteors in 2-inch pots, which we offer at \$18 per 1000. Fine plants.

Mention The Review when you write.

DAHLIAS

By
the
Tens
of
Thou-
sands.



My prize winners carried off the highest National honors yet awarded the Dahlia—a diploma and gold medal at the Omaha Exposition. Get my catalogue before ordering elsewhere.
Box 382. W. W. WILMORE, Denver, Col.

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SMILAX

2-inch. Fine Stock.
\$1.25 per 100, \$10 per 1000

J. B. HEISS,

The Exotic Nurseries,

DAYTON, OHIO.

Cash with
Order.....

Mention The Review when you write.

SMITH'S FAVORITE

This Geranium is a sport from the Prince Charles. It is a great bloomer, having double flowers, variegated and very pretty. The stem is from 4 to 6 inches long. I have cultivated it for three years. I have somewhere between 600 and 800 plants. I think there is none other like it in the United States. The flower will last as long as Carnations after being cut. I now offer them for sale for the first time, 3 at the dozen rate. Rates, \$8.00 per dozen.

Cash with order.

E. SMITH, NORTH STARK ST. GREENHOUSE. Waterloo, N. Y.
Mention The Review when you write.

ROSES. ROSES.

Strictly first class stock. Brides, Meteors, Maids and Perles. Strong 2½-in., \$3.00 per 100. Kaiserin \$3.50 per 100. Beauty \$5 per 100.

Our Rose plants are acknowledged to be the finest supplied to the trade. Place your order with us for immediate or future delivery if you want the choicest stock.

CARNATIONS. All the leading varieties, new and old, at bottom prices. Selected Cuttings only.

SMILAX. Strong Bushy Seedlings, ready for pots, 50c per 100, \$4 per 1000, delivered. This is the way to buy your Smilax and save a large expense in freight on pot plants. Can supply any quantity on short notice.

PANSIES. From cold frames. Big plants full of buds and blooms, the finest in the market. \$2 per 100. Terms strictly cash with order. Send for list.

SOUTH SIDE FLORAL CO., - Springfield, Ill.

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PEACOCK'S New Dahlias

For 1899—Best New Varieties.
Best Old Varieties.

Send for our New Illustrated Trade List before ordering elsewhere.

Peacock's Dahlias always received highest awards over all competitors. Forty-six first prizes out of forty-nine entries during past four years—an unequalled record.

Best New and Standard Carnations—

Beautifully illustrated and accurately described in our Trade List. Send for copy.

Surplus Stock of Mixed Dahlias—

At right price. Also Dahlias under color. Correspondence Solicited.

W. P. PEACOCK, - Atco, N. J.

Mention The Review when you write.

A PLEASANT VACATION TRIP.

From Chicago to Detroit via the Wabash Railroad; Detroit to Mackinac via D. & C. N. Co. steamer; Mackinac to Chicago via the new steel steamer "Manitou," all for \$9.45, exclusive of meals and berths. This is one of the many trips provided for Endeavorers who wish to attend the Y. P. S. C. E. Convention at Detroit in July. Send card for Wabash Official C. E. Folder telling all about it. F. A. Palmer, A. G. P. A., Wabash R. R., 97 Adams street, Chicago.

BABY PRIMROSE.

The newest thing for Easter Blooming.

Flowers in thumb pots; grows rapidly, 6-in. pot, carry 50 to 100 sprays of rosy flowers, 12 to 18 in. long; lasts 4 weeks when cut and wholesale at \$2 per 100; grows finely in cool house; perpetual bloomer. 12 for \$1.50, \$10 per 100, express prepaid.

New Fragrant \$1000 CALLA.

Very dwarf and free bloomer, has the fragrance of violets and lilies, \$1 and \$2 per 12, \$6 and \$12 per 100, mailed.

Asparagus Sprengeri. 2-in., 24 for \$1.50, mailed.

ed: \$4 per 100, express. 3 1/2-in., 24 for \$2.50, mailed \$7 per 100, express.

A. BLANC & CO., Philadelphia.

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Chrysanthemums

Our collection of Novelties for '99 is very complete, including

INDEPENDENCE, the earliest white, **MRS. FRED L. BUTTON**, the early white from California, and **YELLOW IVORY**, as well as all others.

Also a full line of **STANDARD VARIETIES**. For description see our catalogue, free on application.

NATHAN SMITH & SON, ADRIAN, MICH.

Mention The Review when you write.

Large Latania Palm Plants.				Per Plant.
1	plant to pot, 4 1/2 ft. high, 8-in. dia., 10 leaves,			\$5.00
1	" 4 " 8 " 8 " 8 to 9 "			4.00
1	" 3 1/2 to 4 " 8 " 7 to 8 "			2.50
1	" 2 1/2 to 3 " 8 " 7 to 9 "			2.00
2	" 4 1/2 to 5 " 8 " 12 to 14 "			6.00
2	" 4 to 4 1/2 " 8 " 12 " "			5.00

Large Areca Plants. Prices on application.				Per doz.	Per 100
Jacque Rose plants, large, 6-in. pots,	5			\$1.00	\$30.00
Souper " " 5 " "	5			2.50	20.00
Kaiserin " large strong, 6 " "	5			2.50	20.00
				4.00	30.00

J. Wm. Colflesh, 53d St. & Woodland Av. Philadelphia

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The MODEL Extension Carnation Support.

Read what some of our best growers say concerning it.

W. HOBOKEN, N. J., Feb. 18, 1897.
Mr. THERON PARKER, Brooklyn, N. Y. Dear Sir:—It gives me much pleasure to congratulate you upon your success in getting up Carnation Supports. I think that those I have had from you are about as perfect as anybody will be able to make them. They certainly fill my bill for an ideal carnation support, a thing I have been looking for for a long time. Wishing you every success in the sale of them, I am, Yours truly, E. ASMUS.

Other testimonials will appear weekly. Write for prices.

THE MODEL PLANT STAKE CO., 22 Morton Street, Brooklyn, N. Y.

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Florists' Stock of Bedding Plants

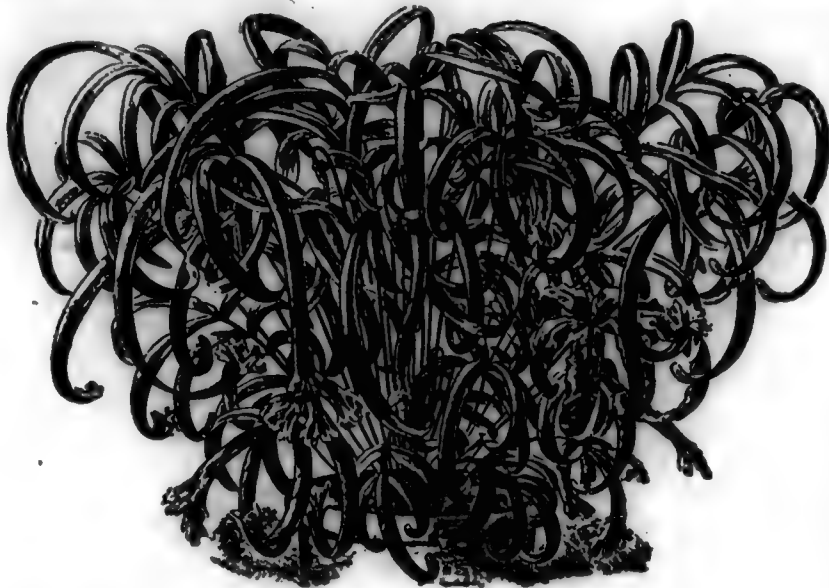
Alternantheras, Coleus, Geraniums, Pansies, Daisies, Verbenas, Fuchsias, Salvias, etc.

Write for prices. Florists are invited to look over our stock when in Milwaukee.

ARCHIE MIDDLEMASS, 1019 Forest Home Ave. MILWAUKEE, WIS.

Mention The Review when you write.

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DREER'S SPECIAL OFFER.

PTERIS SERRULATA VOLUTA.

Acalypha Sanderil. We offer strong, 2 1/2-inch pots of this striking novelty; 30c each, \$3.00 per doz., \$20.00 per 100.

Asparagus Sprengeri. A fine lot of strong plants from 8-inch pots; \$6.00 per 100, \$50.00 per 1000.

Caladium Argyrites. Always scarce; a most desirable little plant to use in connection with cut-flower work; we offer a fine lot of 2-inch pot plants \$1.25 per doz., \$10.00 per 100.

Richardia Elliottiana. The best of the yellow Callas and the variety which will supersede all others, a limited lot of good bulbs \$1.50 each.

Dracena Godseffiana. A nice lot of 2-inch pot plants of this striking new variety; 35c each, \$3.50 per doz., \$25.00 per 100.

Pteris Serrulata Voluta. Entirely distinct from all other Ferns, a pretty variety to grow on into specimens, 2-inch pots; 75c per doz., \$6.00 per 100.

For a full list of Novelties, Specialties and all Seasonable Stock, see our current quarterly wholesale list.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

Mention The Review when you write.

...ROSES...

FROM 2 1/2-in. POTS.

Bridesmaids.....per 100, \$3.00
Brides....." 3.00

ROOTED CUTTINGS.

Bridesmaids.....per 100, \$1.50
Brides....." 1.50

BASSETT & WASHBURN,

Greenhouses, HINSDALE, ILL.

76 Wabash Avenue, CHICAGO.

Mention the Review when you write.

F. & F. NURSERIES, SPRINGFIELD, NEW JERSEY

Wholesale Growers TREES and PLANTS in Full Assortment.TRADE CATALOGUE FREE.

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THE FLORISTS' MANUAL

Price, \$5.00

...BY...

WILLIAM SCOTT.

WILL BE READY FOR DELIVERY IN JUNE.

It will cover the whole field of Commercial Floriculture, the articles arranged alphabetically, encyclopædia style, so reference may be quick and easy. It will be a whole library in itself, and will tell you just what you want to know in just the way you want to be told. It will be the standard work of reference for the trade.

SEND IN YOUR ORDER NOW. Payment need not be made until book is ready.

FLORISTS' PUBLISHING CO., 520-535 Caxton Building, CHICAGO.

SAMUEL S. PENNOCK, Wholesale Florist

OPEN DAY AND NIGHT—From 12 A. M. Mondays to 10 P. M., Saturdays.

A constant supply of SELECT VALLEY the year round. 1612-14-16-18 Ludlow St., Philadelphia, Pa.
AMERICAN BEAUTIES OUR SPECIALTY.

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PITTSBURG CUT FLOWER CO., Ltd. WHOLESALE FLORISTS.

Long Distance
Phone 2157.

CONSIGNMENTS SOLICITED.

No. 705 Penn Avenue,
PITTSBURG, PA.

FLORISTS' SUPPLIES.

Write for Price List.

Mention The Review when you write.

PHILADELPHIA.

Trade was somewhat better the past week, due to a great many weddings taking place, and also to the unveiling of the Grant monument. There was also a number of dinners and receptions, in which a great many cut flowers were used. However, the market is glutted and prices are way down. Beauties can be had at from \$1.50 to \$3 per dozen. Brides and Bridesmaids, \$2 to \$4 per 100; carnations, from 75 cents to \$1, some of the fancy varieties bringing \$2. Sweet peas can be bought from \$1 to \$1.50 per 100.

Mr. M. Rice, the head of the firm of M. Rice & Co., is taking a few days' vacation at Old Point Comfort.

John Hackett, 62nd and Buist avenue, will retire from business about June 1.

Among the visitors in town during the past week were Lloyd Kline, Pottstown, Pa.; T. Steckler, Reading, Pa., and Mr. Berckmans, Jr., of Augusta, Ga.

Tuberose bulbs are not only below the average in size, but seem to be a very scarce article. This is attributed to the February freeze.

We are informed that the Floral Exchange, 614 Chestnut street, will go out of the retail cut flower business June 1, but will continue to carry on the decorating trade, which will be conducted at their greenhouse on 6th street. They will also carry on the wholesale business at the same place.

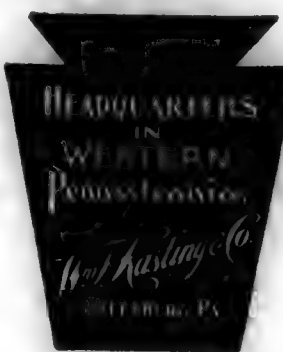
Professor Wm. R. Smith, from the Botanical Gardens at Washington, D. C., was also among the recent visitors. He was accompanied by Mr. Robt. Craig. They visited the famous Spring Grove Nurseries at Riverton, R.

WEST LATROBE, PA.—On May 5 the property of John Bohler, the florist, will be disposed of by the sheriff at suit of the Latrobe Building and Loan Association.

BUFFALO, N. Y.—The Whitney-Eckstein Seed Co., of this city, has been incorporated with a capital stock of \$60,000. The directors are G. S. Hull, of this city, and Adolph and Charles Eckstein, of New York city.

ROSES,
Carnations
VALLEY
FERNS,
GALAX, and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

Consign-
ments of
good stock
solicited.



We get
daily new
customers
because
we have
the
reputation
that
all orders
are
punctually
filled.

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Distance
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WM. F. KASTING & CO., F. STOKES,
Manager.

Wholesale Florists. 444 Sixth Ave.

All kinds of FLORISTS' SUPPLIES and
WIRE DESIGNS on hand.

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Galax Leaf.
Much reduced.

Galax Leaves AND Leucothoe Sprays

FOR SPRING AND
SUMMER USE.

Write for prices to
HARLAN P. KELSEY,
1106 Tremont Bldg.,
BOSTON, MASS.

Mention The Review when you write.

NOTICE.....

The annual meeting of the stockholders of the Cut Flower Exchange will be held at 404-412 East 34th Street, New York City, on Saturday, May 6, 1899, at 9 o'clock, a. m. Four directors will be elected and other important business transacted. Members are requested to attend.

JOHN DONALDSON, Secy.

Long's "Handy" Order Sheets

The practical leaders to correct order taking in hurried hours. **Single sample free.**

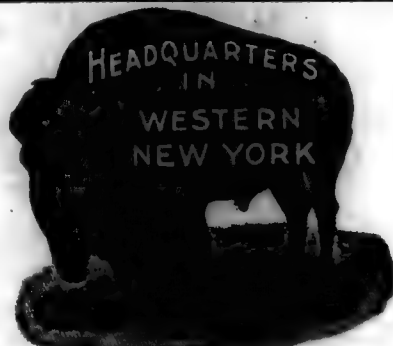
Pad of 100 sheets, mailed for 24 cents in stamps.
Ten Pads (1000 sheets), by express, \$1.75.

DAN'L B. LONG, Publisher, BUFFALO, N. Y.

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A
TRIAL.
WE CAN
PLEASE
YOU.



Roses,
Carnations
and all
kinds of
Seasonable
Flowers
in stock.

WM. F. KASTING, Wholesale Com-
mission Florist,
495 Washington St., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire
Designs.

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WM. J. BAKER,

WHOLESALE
CUT FLOWERS,

1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

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EDWARD REID,

LONG
DISTANCE
PHONE. Wholesale
Florist,

1526 Ranstead St., PHILADELPHIA, PA.

Mention The Review when you write.

Pandanus Veitchii

Clean
Stock,
Pedestal
Grown.
6-in. pots, \$1.00 each; \$12.00 a dozen. Also larger
sizes. Send list of sizes required and get rates.
Also a few white leaved plants at half price, for
decorative effects or cutting up.

JOHN WELSH YOUNG, - Germantown, Pa.

Upsal Station, Penn. R. R.

Mention The Review when you write.

Rose Hill Nurseries.

Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

Largest stock in America.

SIEBRECHT & SON,

New Rochelle, N. Y.

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the interests of their paper by buying
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paper when sending inquiries or orders.

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ESTABLISHED 1802

THORBURN'S SEEDS

JUST ARRIVED IN FINE
CONDITIONFRESH **Seaforthia**
SEEDS of **Elegans....**

Price, \$3.00 per 1000.

J.M.THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

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CHRYSANTHEMUMS.

Good, strong, healthy stock of the following
well-known varieties:

Mme. G. Bergmann	Rose Owen
Ivory	Eugene Dailledouze
The Queen	Wm. H. Lincoln
Mrs. Jerome Jones	Col. W. B. Smith
Etoile de Lyon	Mrs. J. G. Whilldin
Miss Minnie Wanamaker	V. H. Hallock
Golden Wedding	Maud Dean
Niveus	Chillingfordii
Minerva	Geo. W. Childs
Liberty	Bessie Burton
Bonnation	Modesto
Mrs. J. J. Glessner	Mrs. Murdock
Belle of Castlewood	J. G. Woodford

from 2½-in. pots, \$3.00 per 100; per 1000, \$15.00
Cannas, good variety named \$2.00 per 100
 " mixed 1.00 "
Nymphaea Odorata Gigantes, strong roots 3.50 "

R. VINCENT, JR., & SON, White Marsh, Md.

Mention The Review when you write.

M. A. Hunt Floral Co.

Box 235, TERRE HAUTE, IND.

BRIDESMAIDS AND BRIDES,

2-inch for \$22.50 and
3-inch for \$32.50 per 1000.

Place your orders at once.

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THE FLORISTS' MANUAL

By WILLIAM SCOTT

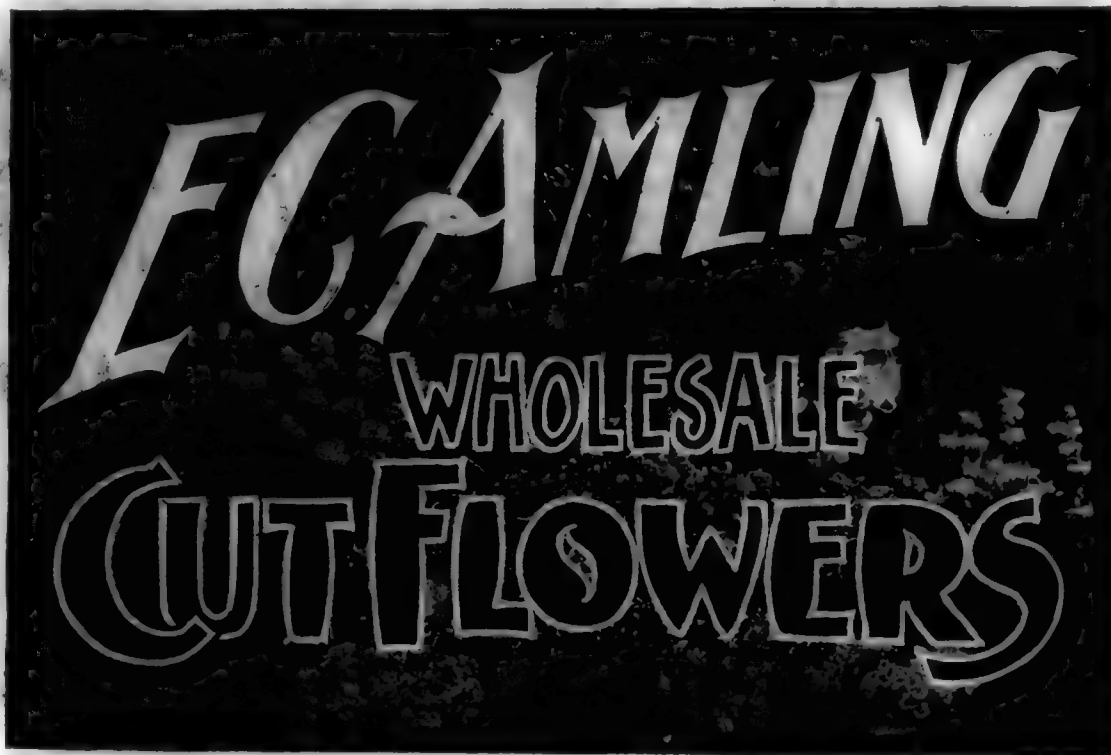
Price, \$5.00.

It will cover the whole field of Commercial Floriculture, the articles arranged alphabetically, encyclopaedia style; so reference may be quick and easy. It will be a whole library in itself, and will tell you just what you want to know in just the way you want to be told. It will be the standard work of reference for the trade.

Will be Ready for Delivery
in June.SEND IN YOUR ORDER NOW. Payment need not
be made until book is ready.

FLORISTS' PUBLISHING CO.,

520-535 Caxton Building,CHICAGO.



W. S. HEFFRON, Mgr. 51 Wabash Avenue,

→CHICAGO.

ROSES.

EXTRA FANCY BEAUTIES.

GOOD BEAUTIES.

SHORT BEAUTIES.

VERY CHOICE KAISERIN, regular
Summer growth.

SELECT MAIDS and BRIDES.

METEORS and PERLES, good fair stock
and seconds, at prices to suit.

CARNATIONS

ARE OUR SPECIALTY.

WE HANDLE THE LARGEST LINE
OF HIGH GRADE FANCY AND
ORDINARY STOCK IN THE
CITY.ON CHEAP STOCK WE CAN GET
'WAY DOWN.CAN SUPPLY LARGE BUYERS with
STOCK THAT WILL MAKE
THEM MONEY.

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Miscellaneous.

SEASONABLE STOCK ALWAYS ON
HAND.VERY FINE VALLEY — BULBOUS
STOCK, MIGNONETTE, MAR-
GUERITES, etc. SWEET PEAS
NOW COMING IN DAILY.

Decorative.

LOCAL GROWN ASPARAGUS,
FINEST ADIANTUM, GOOD GALAX.COMMON FERNS, 40c per 100,
\$4.00 per 1000.

SMILAX — scarce.

We ship nothing knowingly but stock
that will carry and give satisfaction.

Our Prices always the lowest
MARKET RATES
consistent with
quality of stock shipped.

Store open from 7:00 A. M., until 6:30
P. M. Sundays and Holidays closed at noon.

EDWARD B. JACKSON,

Wholesale Florist,

Herbaceous Plants a Specialty.

STAMFORD, CONN.

Mention The Review when you write.

Viburnum Plicatum

Large bushes, 6 ft. high, \$12 per doz.
Styrax Japonica, fine bushy plants, 6 to 8 ft.,
\$9 per doz.Large assortment of ornamental nursery stock.
Descriptive catalogue and wholesale list for all in
the trade.

SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

Mention the Review when you write.

Geraniums

best bedders, single and
double, 2½-in. pots,
\$2.50 per 100; \$15.00 per
1000; 4-in. pots, \$5.00
per 100.EUDERICA GOLDEN GLOW, 4-in. pots,
\$4.00 per 100. Finest double PETUNIAS, 2½-in.
pots, \$2.00 per 100.CANNAS, leading
vars., \$2.00 per 100.C. G. NANZ,
OWENSBORO, KY.

Mention The Review when you write.

CLEVELAND.

The cut flower trade the past week has been all that could be desired. Not a day so far this year, except Easter, have the orders piled up as they did on Saturday and Sunday. The death of three prominent citizens created an unusual demand which cleaned up all surplus stock.

A very swell wedding took place at Canton, O., on the 26th ult., at which Golden Gate roses, valleys, tulips, spirea and some very beautiful sprays of stephanotis from the White House conservatories at Washington, D. C., were used. Thorley, of New York, furnished the bouquets, the bride's being a shower one, composed of Maid of Honor and Bride roses and valley, and the eight bridesmaids carried bouquets of Maid roses. The church was prettily decorated with lilies and roses; the house in pink and white, the bridal chamber being pink and the reception room white; carnations were used together with swainsona, brides, stephanotis and valley, curtained with asparagus. Mr. Gasser had the decorations.

Roses are coming in good and sell from \$2 to \$6 per 100; carnations, \$1 to \$1.50; fancy, \$2 to \$3 per 100; violets about gone. Out-door bulb stuff is coming in freely.

We are having, for this time of year, the warmest weather we have had since 1872, and rain is badly needed. Miss Binder, with J. M. Gasser, has been on the sick list for a week or two. Isaac Husbands, of Bellevue, O., was a visitor this week.

Mrs. Wilhelmy, wife of M. A. Wilhelmy, the west side florist, died April 30 of rheumatism of the heart, aged 48 years. She was a kind and loving wife and mother and had the respect of all who knew her. The family have the sympathy of the Cleveland florists.

Bowling.

The scores made in the last games played are as follows:

	1st.	2nd.	3rd.
James Eadie	144	175	147
C. Graham	111	104	159
H. Hart	118	104	151
R. Kuntz	128	133	173
S. Pentecost	121	123	138
A. Graham	118	122	104
Gordon Gray	86	99	123
B. Hart	157	111	99
O. A. C. O.			

PITTSBURG.

James Wardrop, a well-known resident of Allegheny county, died April 24, at 6 p. m., at his home in Edgeworth, aged 88 years. Mr. Wardrop was a native of Ayrshire, Scotland, and came to Pittsburgh in 1833. For a time he was associated with Benjamin Bakewell in the nursery business in Allegheny and in the early fifties conducted a seed store on Fifth ave. He removed to the Sewickley Valley in 1859 and continued in the nursery business with T. L. Shields.

ZANESVILLE, O.—The florist firm of Leupold Bros. has been dissolved. The business will be continued by C. Leupold.

HEADQUARTERS FOR
ASPARAGUS PLUMOSUS NANUS
W.H. ELLIOTT
BRIGHTON, MASS.

CUT STRINGS, 10 feet long, 50 cts. each.
Shipped to any part of the country.
Mention The Review when you write.

Lady Dorothea..

Winner of Silver Cup as best New Rose—Chicago Chrysanthemum Show, November, 1898. Also Certificates of Merit—New York and Toronto.

The Florists' Rose, a free bloomer, always an attractive and selling color. No bull heads.

1 plant 50c; 12 plants \$4.00; 100 plants \$25.00; 250 plants \$50.00; 500 plants \$75.00; 1000 plants \$125.00

JOHN H. DUNLOP, Toronto, Canada.

Mention The Review when you write.

Dahlia Camelliaeflora...

Illustrated in Florists' Review January 26, 1899, and in Florists' Exchange August 13, 1898.

Awarded by the American Institute of New York a Diploma on pot plants of Dahlia Camelliaeflora and a First Class Certificate on Cut Flowers of the Dahlia Camelliaeflora.

This variety is particularly good for Spring sales as pot plants and is an abundant bloomer, valuable for cut flowers, and does not exceed two feet in pots or in field. The blooms are bold, clean cut, pure white, with very full center. Good, strong plants out of 2½-in. pots, \$1.50 per doz.; \$10.00 per 100. Orders booked now and filled in rotation. Cash with order.

A. L. MILLER, Jamaica Ave., Brooklyn, N. Y.

Mention the Review when you write.

100,000 VERBENAS, THE CHOICEST VARIETIES IN CULTIVATION...

FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

No Rust or Mildew.
Packed Light and
Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

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1840 Old Colony Nurseries, 1899

HARDY SHRUBS, TREES, VINES, EVERGREENS and PERENNIALS.

A large and fine stock of well rooted plants, grown in a sandy loam. Good plants, best sizes for planting, very cheap.

Trade list free on application.

T. R. WATSON, Plymouth, Mass.

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Live Sphagnum Moss

For Orchids, etc., \$1.25 per bbl.

Sphagnum Moss

First quality, \$1.00 per bale; 10 bales, \$8.00.

Z. K. JEWETT & CO., SPARTA, WIS.

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CARNATIONS...

Rooted Cuttings.

	Per 100	Per 1000
G. H. Crane.....ready May 20, \$10.00	\$75.00	
White Cloud....." 20, 5.00	40.00	
Gen. Macco .....ready now, 10.00	75.00	
Glacier....." 10.00		
Melba....." 10.00		
America....." 10.00		
Gold Nugget....." 5.00	40.00	
Argyle....." 5.00	40.00	
Evelina....." 5.00	40.00	
Jubilee....." 2.50	20.00	
Daybreak....." 2.50	20.00	
Mrs. McBurney....." 2.50	20.00	

F. Dorner & Sons Co., La Fayette, Ind.

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CARNATIONS, Smilax and Pansies

GOOD STOCK
AT ORDINARY PRICES.

ALBERT M. HERR
LANCASTER, PA.

Mention The Review when you write.

X PLANTS, 3-inch Pots.

CHRYSANTHEMUMS.

	100	1000
Frank Hardy, 5 inches.....	\$2.50	\$25.00
Modesto, Bonaffon.....	2.50	25.00
Glory of the Pacific.....	2.50	
Georgiana Pitcher, Mrs. F. Perrin.....	2.50	
W. H. Lincoln.....	2.50	

CARNATIONS.

Maud Dean, Mayor Pingree.....	2.00
Harrison's White, Alaska, Meteor.....	2.00

ROSES.

Yellow Rambler, Pink Rambler.....	2.50	25.00
White Rambler, Bride, 'Maid.....	3.00	
Pres. Carnot.....	4.00	

All First-Class Stock.

ALVAH L. REYNOLDS, Madison, N. J.

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ROSES. ROSES.

Clean, healthy, well-rooted stock, in 2½-in. pots, at \$3.00 per 100, while the stock lasts.

BRIDES, METEORS,
MAIDS, PEBLES.

Please mention Florists' Review when writing.

L. L. MAY & CO., St. Paul, Minn.

E. G. Hill & Co.

Wholesale
Florists,

RICHMOND, INDIANA.

Mention the Review when you write.

Decoration Day Is Coming!

	Per 100	Per 1000
5,000 Geraniums, 4½-in., mixed.....	\$ 7.00	
10,000 " 3 ".....	4.00	
15,000 " 2½ ".....	2.00	
5,000 " La Favorite, 3-in.....	4.00	
5,000 " 2½-in.....	2.00	
4,000 " Mme. Salleron, 2½-in.....	2.00	
2,000 Feverfew, Little Gem, in bud, 4½-in.....	10.00	
2,000 Abutilons, mixed, 2½-in.....	2.00	
1,000 Southern Thyme, 2½-in.....	2.00	
4,000 Velvet Plant, 2½-in.....	2.00	
20,000 Smilax, strong, 2½-in.....	2.00	
500 Fuchsias, mixed, 2½-in.....	2.00	
1,000 Pelargoniums, The Queen, 4½-in.....	\$8.00	
5,000 Iresines, red, 2½-in.....	2.00	
4,000 " yellow, 2½-in.....	2.00	
10,000 Coleus, 10 best bedders, 2½-in.....	2.00	
10,000 Vinca, Lobelias and Smilax, from flats	1.00	
15,000 Daisies, Snow Crest and Lengfield, 2½-in.....	2.00	
1,000 Begonia Erfordii, bedder, 2½-in.....	2.00	
2,000 " Sandersonii, ".....	2.00	
1,500 " Hybrida, ".....	2.00	
5,000 " 20 named varieties, ".....	2.00	
1,200 " 3-in. and 4-in., in 10 varieties..	4.00	

THE MORRIS FLORAL CO., MORRIS, ILL.

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NOVELTIES OF THE SEASON

NEW HYBRID CARNATION VULCAN A first-class, Summer Blooming Carnation, a bright red, very free flowering variety, strong, erect grower, no stick needed. Well established plants from 2½-in. pots, 3 for 25c; \$1.00 per doz. \$5.00 per 100. 25 at 100 rate.

ACALYPHA SANDERIANA, 4-in. pots, 50c each.

	Size pot.	Per doz.	Per 100.
Asparagus Sprengeri.....	2½-inch	\$0.50	\$4.00
Ageratum, Princess Pauline.....	2½ "	.50	4.00
Browallia, New Giant.....	2½ "	.50	4.00
Callia, Little Gem.....	3 "	1.00	7.00
Physalis Franchetti (Chinese Lantern Plant).....	3 "	.50	4.00
Double Giant Alyssum.....	3 "	.40	3.00
California Violets, strong young plants.....			2.00
Clematis, large flowering varieties, 2-year-old.....		3.00	20.00
Cannas, all the standard varieties. Write for prices.			
Carnation Victor, well established plant.....	2½ "		3.00

C. EISELE, 11th and Jefferson Streets, PHILADELPHIA, PA.

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CARNATIONS. CHRYSANTHEMUMS.

New and Standard
Varieties.

Our Price List is teeming with new and good things. Send for it.

The stock we send out is a source of satisfaction to our customers and pride to ourselves.

Don't wait too long; some varieties are already very scarce.

H. Weber & Sons, - Oakland, Md.

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Burpee's Seeds Grow

CARNATION SEEDLINGS.

From Hand Fertilized, Winter Blooming Varieties.
100 plants for \$4.00, 25 plants at 100 rate.
Sent free by mail.

American Rose Company,

All Seeds Sold. Washington, D. C.

FIRST-CLASS STOCK.....

From 2½-in. pots, ready for 3 and 4-in.
Strong and bushy Rose Geraniums, 3 var.; Heliotrope, white and purple; Lemon Verbenas; Ivy Geraniums; Dusty Miller, \$2.50 per 100. 8-in. Pelargoniums, bud and bloom, fine, \$3.00 per 100. Mexican Primrose, \$1.50 per 100. California Violets, strong rooted runners, 50c per 100, \$4.00 per 1000. Princess Pauline Ageratum, rooted cuttings, \$1.00 per 100. E. G. BUNYAR, Walnut Hill Greenhouses. Independence, Mo.
Mention The Review when you write.

THE BIG SIX CARNATIONS!

Mrs. Bradt, Gold Nugget, White Cloud, \$3.00 per 100, \$40.00 per 1000.
Flora Hill, Daybreak and Jubilee, \$2.00 per 100, \$15.00 per 1000.

Also 9 most promising varieties of '99, and 15 leading standard varieties.

GEO. HANCOCK & SON, Grand Haven, Mich.

ROOTED CUTTINGS

Carnation Daybreak

\$12.00 per 1000; \$1.50 per 100.

PINKS ANNA BOLEYN,

\$7.50 per 1000; \$1.00 per 100.

CASH WITH ORDER.

C. SOLTAU & CO., 199 Grant Ave., Jersey City, N. J.
Mention The Review when you write.

A STORY WITH A MORAL.

He tells this story on himself. He is young and ambitious and prides himself on his common sense, his practical businesslike way of doing things and his sordid earthiness generally. On his way home the other evening he stopped to look in a florist's window and the florist asked him inside to see some very fine wedding flowers he was sending out. The florist is an elderly man, with kind eyes blinking behind spectacles. "You don't buy flowers any more, do you?" he inquired as he tied up a bunch of white lilacs and pinks, and laid it on a fan of feathery green ferns.

"No, I don't," said the businesslike man.

"You were a pretty good customer a year or two ago. Violets every day, and roses twice a week, wasn't it?"

"Er—I was engaged then," and the practical one laughed and flushed.

"You used to take her flowers every time you went to see her, didn't you?" and the old florist's tone was more kindly than inquisitive.

"Yes."

"They're not so very expensive in the spring."

"Oh, she would have liked them as well bought on the streets, as long as they were fresh and fragrant. She didn't care for the swell box. She wasn't that kind at all."

"Too bad, too bad. Young ladies are fickle. I suppose she chose another in your stead."

"Oh, no; I married her a year ago."

The old florist twisted a bit of string around the stems of some pale rosebuds and then he said gently, as if treading on thin ice: "You don't love her any more?"

"Indeed, I do. We're very happy. But you know the flower business doesn't go any more."

"Did she ever say so?" asked the relentless old man.

"Well—um—er, no, I can't say she did."

"Did you ever ask her about it?"

"No. I'm kept pretty busy, you know, with more practical things. I don't have time to bother about trifles."

The old florist didn't answer. He dived into the ice-box and came out with a handful of mignonette and white tulips. He wrapped them in a cornucopia of tissue paper and handed them to his late customer. "This is for old time's sake," he said. "You might take them to your wife, and if she doesn't like them you can bring them back to me."

They never came back. But the young man did.—New York Commercial Advertiser.

PAW PAW, ILL.—C. Weaver, lately with the Morris Floral Co., Morris, Ill., and formerly of Bloomsburg, Pa., will start in business as a florist here.

WAUKEGAN, ILL. — Extensive greenhouses are soon to be built at the R. Douglas' Sons Nurseries

Look Here for Rooted Cuttings

Per 100	Per 100	Per 100
Abutilon, var. trailing.....\$2.00	German Ivy.....\$1.25	Geranium Md. Bruant.....\$2.00
Ageratum, blue and white... 1.00	Heliotrope, per 1000, \$10.... 1.25	" Mrs. Parker..... 4.00
Alternanthera, red and yellow, per 1000, \$5.00..... .60	Geraniums, named; Double	Imp. Sultana..... 1.50
Anthemis, double yellow... 2.00	Grant, La Favorite, S.	Lemon Verbena..... 1.50
Begonia Rex, 50 to 80 var... 2.00	A. Nutt, Rev. J. B. Atkinson, Gloria de France	Lobelia, blue..... 1.00
" Incarnata Gigantea 2.00	etc., per 1000, \$12.50..... 1.50	Lantana, assorted..... 1.50
" Vernon..... 1.00	Mixed, per 1000, \$10.... 1.25	Manettia bicolor..... 2.00
Chrysanthemums, named... 1.50	Md. Sal., " 10.... 1.25	Pyrethrum Little Gem..... 1.50
Cuphea (Cigar plant)..... 1.00	Bronze..... 1.50	Pelargoniums, named..... 4.00
Coleus, mixed, per 1000, \$3.... .60	Silver Leaf..... 1.50	" mixed..... 8.00
" separate colors " \$8.... .75	Rose Scented..... 1.50	Double Alyssum, giant..... 1.00
Fuchsia Trailing Queen..... 1.50	Mrs. Pollock..... 2.00	Salvia, scarlet..... 1.25
" named..... 1.50	Freak of Nature..... 3.00	" golden leaved..... 2.00
Forget-me-not, winter flowering..... 1.50	Happy Thought..... 3.00	Violet M. Louise..... .60
	Mars..... 3.00	Verbenas, per 1000, \$6..... .75
		Daisy Snow Crest..... 2.00

POTTED PLANTS. 2½-inch except where noted.

Per 100	Per 100	Per 100
Begonia Rex, mixed, 20 to 30 var... \$4.00	Mrs. Pollock Ger..... \$4.00	Vincas Var., 2-in..... \$2.00
" Louis Closson, \$4 and 6.00	Silver Leaf "..... 4.00	" 3-in..... 4.00
" named varieties..... 6.00	Mars "..... 6.00	" 3½-in..... 6.00
Fuchsia Trailing Queen..... 4.00	Md. Bruant "..... 4.00	" 4-in..... 10.00
Forget-me-not, winter flowering.... 3.00	Lemon Verbena..... 4.00	Dracaena..... \$5.00 to \$8.00
Abutilon, var. trailing..... 4.00	Hydrangeas, P. and W., 4-inch..... 10.00	Imp. Sultana..... 3.00
Mrs. Parker Geranium..... 6.00		

Terms Cash or C. O. D.

GREENE & UNDERHILL, Watertown, N. Y.

Mention The Review when you write.

CLEMATIS

Fine 3-year stock on hand in the following varieties: Jackmanii, Mme. Baron Veillard, Henryii, Kermesina, Duchess of Edinburgh, Fairy Queen and Jackmanii Alba.

\$20 per 100.

Rhododendrons in 3 sizes. Best Market Varieties.

F. W. O. SCHMITZ, JERSEY CITY, N. J.

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REED & KELLER,

122 W. 25th St., NEW YORK CITY.

Manufacturers of WIRE & DESIGNS and Dealers in

FLORISTS' & SUPPLIES

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Fine Stock...

of Meteors, Perles, Woottons and Kaisersins in 2½ inch pots, shifted from 2s and now ready for 4s. Also all kinds in 2-in. pots ready. Send \$1.00 for samples of what you want to

GEO. A. KUHL, Pekin, Ill.

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CRABB & HUNTER,

Violet Specialists. Orders received now for Spring delivery of All stock such as produces a crop—Marie Louise, Farquhar and Lady Campbell.

CARNATIONS. Rooted Cuttings of Flora Hill, Evelina, Painted Lady, Firefly, Pingree, Morello and other standard varieties.

GRAND RAPIDS, MICH.

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ROSES

Brides & Bridesmaids, From 2-in. Pots, Nice Clean Stock at \$2.50 per 100

Smilax, 2-in. pots, at \$1.50 per 100.

CARNATIONS--Rooted Cuttings.

Scott, Bridesmaid, Stuart, Meteor, Gold Finch, Uncle John, per 100..... \$1.25
White Cloud, Dazzle,..... 3.50
Daybreak, Flora Hill, Albertini, per 100..... 2.00
Rex Begonias, 2½-in. pots, 8 varieties per 100..... 3.00

Cash with Order.

McDONALD & STEELE, CRAWFORDSVILLE, INDIANA.

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HALES' MOLE TRAP

For destroying ground moles in lawns, parks, gardens and cemeteries. The only PERFECT mole trap in existence. Guaranteed to catch moles where all other traps fail. Sold by Seedsmen, Agricultural Implement and Hardware dealers, or sent by express on receipt of \$2.00, by

H. W. HALE, RIDGEWOOD, N. J.

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233 MERCER ST. NEW YORK

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PIPES, FITTINGS AND VENTILATING APPARATUS
Send Four Cents for Catalogue GREENHOUSE BUILDING

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THERE are choice cuts of lumber just as there are choice cuts of meat.

The average man can't tell a choice cut of meat till he eats it.

Fewer still can tell a choice cut of lumber till it has stood the test of time.

If your butcher is an expert he can tell good meat at sight. If he isn't, you are pretty sure to get poor meat.

Every man that runs a mill isn't an expert judge of lumber.

Fewer still are familiar with the peculiar requirements of lumber that enters into greenhouse material.

We have made it a special study.

You are welcome to the benefit of our wide experience.



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Price, \$5.00

...BY...

WILLIAM SCOTT.

**WILL BE
READY
FOR DELIVERY
IN JUNE**

IT will cover the whole field of Commercial Floriculture, the articles arranged alphabetically, encyclopaedia style, so reference may be quick and easy. It will be a whole library in itself, and will tell you just what you want to know in just the way you want to be told. It will be the standard work of reference for the trade.

SEND IN YOUR ORDER NOW.

Payment need not be made until book is ready.

FLORISTS' PUBLISHING CO.

520-535 Caxton Building,

→CHICAGO.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

520-535 Caxton Building, Chicago,

334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/2 page, \$13.50; full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.
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ACCORDING to reports in the daily press, New York City spends \$7,000,-000 annually for flowers. If this was not coupled with the statement that one grower sends in many American Beauty roses that "sell wholesale at \$2 to \$3 a piece" the report might be more readily accepted.

Germinate your Seeds in Jadoo Fibre

(Every healthy seed will come up.)

Strike your Cuttings in Jadoo Fibre

(With ordinary care 100 per cent will root.)

Try JADOO and be Convinced.

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817 Fairmount Ave.

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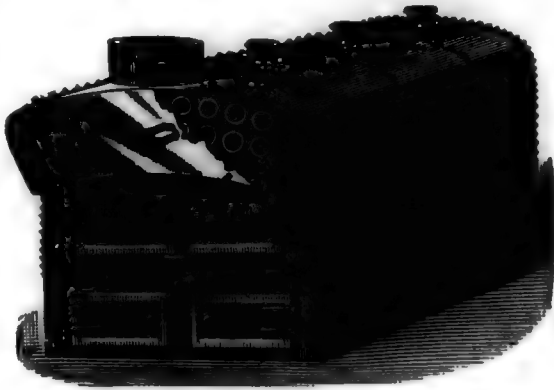
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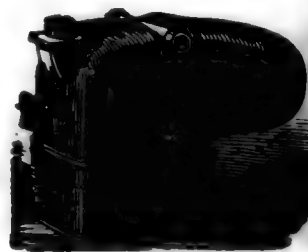
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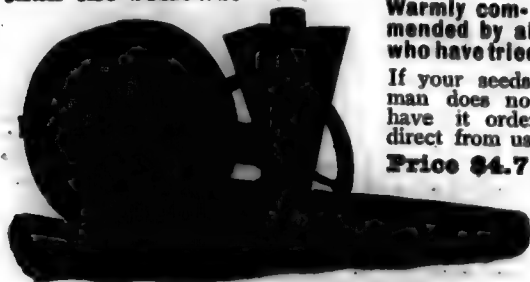
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Vol. III.

CHICAGO AND NEW YORK, MAY 11, 1899.

No. 76.

SOME NOTES FROM FLORIDA.

On the 10th of January last, with snow on the ground and the mercury down almost to nothing, I dropped the hose and started for Florida.

In Philadelphia next morning it was even colder, the sharp wind searching for the epidermis through overcoat and mittens, and finding it, too; but on waking the second morning, as the train was nearing Charleston, S. C., how the scene had changed. The hills had disappeared, the flat, dark land was free from snow, and patch after patch of green growing vegetables flew by the windows, on parade. The northern oaks and chestnuts and maples were seen no more, but in their places came the live oak, the cypress with its bulging bee-hive base, magnolias, and the long-haired southern pine, and soon the scrub palmetto claimed observance, and clumps of cane stakes were growing in the ditches, covered with foliage. Thence-

forth the long swaying *Tillandsia*, the so-called Spanish moss, was seldom out of sight, as it hung from the branches of the trees in strange grey tufts, among which was often mingled the pineapple-like plants of other *Tillandsias*, the air plants of the northern visitor. At 9 o'clock that night we were due to reach St. Petersburg, a new town of nearly 3,000 inhabitants, mostly from the north, situated in Hillsborough county, between Tampa Bay and the Gulf of Mexico, on a peninsula about five miles wide at this point, which is the end of one of the branches of the railroads of the west coast.

That night I slept with door and window open, with only the screens between me and the open country; and as soon as daylight came I was out strolling along the streets, where roses, heliotrope, coleus, vincas, jessamines, daturas, allamandas, cannas and many other plants were in full bloom and vigorous growth; where

alternanthera was bright as we have it in August, with poinsettia in full color outside, and palms and bamboos dressed in luxuriant green. A large-flowered red double hibiscus seemed especially vigorous; large plants of oleander were very common, the *apocynax* was covered with its fragrant yellowish flowers, and prickly pears eight feet in diameter were studded with their purplish fruit. Before breakfast I had found an orange grove and saw them gathering the plump, bright fruit, and soon the butterflies were fitting about, and it was most comfortable in the shade. The change from snow to sand was so great and sudden that the heat became almost unbearable; and before night I had bought and was wearing a crash suit and straw hat. Next to the climate, the most noticeable difference between Pennsylvania and Florida is the appearance of the country itself. Here the land is low and flat, much of it but little above the level of the ocean,



A Village Lot in Florida.

from which it has but recently emerged. Rocks and stones are almost unknown; and instead of soil there is sand everywhere, which on the beach is so white as to resemble snowdrifts, and affects the eyes almost as much.

Some of the finest oranges in the world are grown here; and I was surprised to learn that the russet orange is not a distinct variety, but that russet and bright oranges are picked from the same tree, the russetting being caused by an insect. The quality of the fruit, including the thickness of

crop of fruit should be ready to gather, weighing from 5 to 10 pounds each and which sold in January at 5 cents a pound at the pineries. At the time the first fruit is cut, there should be five or six suckers on each plant, which may be taken off and rooted, and soon there will be more to take off and root; and at the present price of plants it would be most profitable to not allow the plants to fruit at all, but to turn the efforts of the plant to produce more suckers, which means more plants to sell. There are also some good sized plantations of straw-

left is a scuppernong grape; yellow jessamine clammers over the corner of the veranda; immediately in front of the house is a brilliant acalypha; there are loquats and bananas in view, the palm is Cocos Alphonsl, and the bare and branching plant near the right, like our poke, is cassava.

A great variety of wild flowers were in bloom in January and February, and on the coast and in the hummocks the palmetto flourishes, some of the plants being twenty feet high and eighteen inches in diameter at the ground. There also some of the epiphytal orchids, and Polypodium incanum luxuriate on the stems and branches of the live oaks, while several kinds of smilax and other climbers add to the tangle.

I visited one of the principal florists of the south, of whose place I hope to send you some notes soon.

W. T. BELL.

NEW ROSE LIBERTY.

We present herewith an engraving from a photograph of a house of the new crimson hybrid tea rose Liberty at the establishment of Mr. Ernst Asmus, West Hoboken, N. J. We visited this house last February and as a result were much impressed with the value of this new rose.

While Meteor is the only forcing rose we have with which it may be compared, it seems almost absurd to class them together. Liberty is not only larger and of better shape, but the color is superb, the petals covered with a fine bloom, like those of the old Jacqueminot, and it possesses that crowning glory, a strong but delicate fragrance, that would alone make it popular. And most important to the commercial grower, it gives every evidence of being a very free and continuous producer.

If Liberty fulfills all its promises, and we see no reason why it should not, Meteor will be universally dropped as soon as Liberty has been generally disseminated. It will be introduced during the spring of 1900.

The house illustrated is 15x150 and contains 1,035 plants in two center beds, one 5 feet 9 inches wide, containing five rows of plants, and one 4 feet 7 inches wide, containing four rows of plants. There are walks next the outside walls in addition to that in the center.

The growth and bloom seen in this house at the time of our visit were certainly remarkable and bear out Mr. Asmus' assertion that Liberty is an even freer bloomer than Meteor. A peculiarity of growth is that if cut back when the wood is ripened there will be only one break, always bringing a bloom, while if a bud is pinched out when the shoot is soft there will be two or more breaks. The blooms seen on the plants were nearly all equal in quality to those shown at the exhibitions and there was no variation whatever in color.

Mr. Asmus' record shows that he cut an average of 22 blooms per plant for



Mistletoe Growing on an Oak in Florida.

the skin, depends largely on the kind and amount of fertilizer used, and the times of its application. Seventy pounds of commercial manure is often applied to a tree each year, the cost per acre amounting to about \$300. The cultivation of pine apples is a very important and growing industry here, and the plantations are partly or wholly inclosed by a close board fence and slatted overhead.

Pineapple plants were selling for 10 cents each when I was there, and I am told that now they are worth 20 cents, and as usually set, it requires 9,000 plants for an acre. To buy the land and clear it, prepare and fertilize the soil, inclose and cover it, and plant the pines, requires the outlay of nearly \$3,000 an acre, and within eighteen months from the time of planting a

berries here, and they begin to pick the fruit in January. The ground around the plants is mulched at the proper time with pine needles.

Peaches—such as we grow—apples, currants, raspberries and blackberries, do not seem to do well, but they cultivate to some extent many of the tropical fruits, such as avocado, pears, mangoes, guavas, melon pawpaws, Surinam cherries, dates, etc., but they are uncertain, many of them being injured or destroyed by the frost in February, when the mercury dropped to 24 degrees, with a light snowfall.

A number of the tropical and distinctly southern fruits and plants are shown in the illustration of a village lot with this. The tall, leafy trees are avocados; the taller plants in the rear are giant bamboos; the vine at the



House of New Crimson Hybrid Tea Rose Liberty at the establishment of Mr. Ernst Asmus, West Hoboken, N. J.

the four months ending January 1 last. At Christmas the best blooms sold at \$50 a hundred and the seconds at \$25. So he has already made a good deal on Liberty from the flowers alone.

The picture is also useful in illustrating the iron-frame construction seen in all the more recently built houses at Mr. Asmus' place. The whole weight of the roof is carried by the iron rafters, the sash bars being supported by angle-iron purlins that extend from one rafter to another. There is no plate, its place being taken by an angle-iron that holds the rafters firmly in position. The glass of the roof and that of the sides meet, the former extending half an inch over the latter. But it should be noted that in this house the rafters bow out at the sides so as to allow drip to fall clear; otherwise more of a lap at the eaves would be necessary. This style of construction is, of course, expensive, but it makes a wonderfully light house

and one that will last for very many years in good condition.

PALMS.

Please give us something on the general culture of palms. Soil needed, and how often repotted, etc.

J. L. L.

The culture of various palms has been touched upon on many occasions in the columns of the Florists' Review, but we understand by this query that our correspondent requires some brief cultural directions that may be applied in a general way to the common species of palms that are most in evidence among the trade, and such directions would be about as follows:

As to soil, the first requisite is good loam as a basis for the compost, preferably in the form of sod from an old pasture lot, and the easiest method of removing this is by means of a plow

that is set to turn a furrow about four inches deep.

The sod should then be stacked up in the compost heap with layers of good manure, using about one-sixth of manure to five-sixths of sod, and after having been stacked long enough to rot the sod, the soil will be ready for use. In case the soil is very heavy, a small proportion of coarse sand may be added, but if taken from light land this will not be needed.

A small quantity of bone dust may be used to advantage when mixing up the soil for potting, but this should not be overdone, and an 8-inch pot full of the bone is usually enough for four wheelbarrow loads of soil.

For latanias, kentias, arecas, sea-forthias and phoenix this soil usually gives good results, but for Cocos Weddeliana I prefer a lighter and more open soil, in which about one-third of peat is included.

The repotting of palms depends en-

tirely on the condition of the plants, but is generally done but once a year. But in growing on young stock rapidly it is often necessary to give them more frequent shifts than this, though not too large a shift at one operation, it being good practice to give only one inch shifts up to 4-inch pots, and from that size onward to give two-inch shifts.

From March 1 to November 1 it is best to keep the greenhouse shaded over the palms, but during the winter little or no shading is needed, the cocos enjoying shade more than either of the other species noted. Always

keep the palms moist at the root, though not sodden, and syringe thoroughly every bright day.

Of the species named, the arecas and cocos prefer a temperature of 65 to 68 degrees at night during the winter, while latanias, kentias, seaforthias and phoenix will keep in good condition at a slightly lower temperature, for example, at an average of 60 degrees.

Ventilate much as you would with a rose-house, giving plenty of fresh air in bright weather, but avoiding direct drafts. W. H. TAPLIN.

Then each variety gets a chance to ripen its wood properly, and the effect of the flowering period will show the benefit of systematic planting.

We have varieties now catalogued to come in by the middle of September, and such varieties I should think would be just as well planted outside and left to flower there instead of taking up valuable bench room. They could be cut before frost, and no fancy prices can be realized so early in the season. Some growers vie with each other to get the first flowers in the market, but, as a rule, the first flowers are mighty poor looking things.

Cuttings.

Cuttings in the sand bed should not be neglected because the spring rush is on. Let it rush and pot up your cuttings as soon as they are ready. Get in all your cuttings now as soon as you can, unless it is for some side bench, where the head room is limited to a couple of feet or so. Use only the dwarf kinds for such work. If you plant Autumn Glory, Mrs. Weeks or Frank Hardy on a little side bench, you will be kicking yourself by-and-by, when you have to bend the stems down to keep the flowers away from the glass. Solar Queen is a fine variety for the side bench, but remember in planting that while it makes a big flower, it makes big foliage, too. Crown buds of this variety taken August 23 last year gave magnificent results, with the flower in fine shape by October 23. BRIAN BORU.

BACTERIA AND NITRATES.

The attention of practical cultivators, as well as of scientists, might well be directed to the discoveries of E. Breal, who has found that an antagonistic bacterium or ferment exists in large quantities upon refuse straw and other vegetable waste scattered upon the surface of the land. This ferment has the power of attacking the nitrates in the soil and of liberating the nitrogen in the form of free nitrogen. In one experiment conducted by Breal, one-third of the nitrate under experimentation disappeared by the action of this ferment; in another, 67 per cent of the nitrate disappeared. He found that the destructive action of this bacterium accounts for the disappearance of nitrates in soils covered with large quantities of vegetable wastes, a fact of immense importance to the cultivator.

Probably this may account for the loss of a large amount of the nitrogen that has heretofore been supposed to be carried into the soil by green manures, but which the growing crop has so frequently failed to find. When we remember that nitrogen is appropriated by the plant in the form of nitrates, and that no matter what source of nitrogen may be employed as a fertilizer, before the plant can use it it must be converted into nitrate, the part played by these ferments becomes of the highest importance to the agriculturist and the gardener.

CHRYSANTHEMUMS

CHRYSANTHEMUM NOTES.

Soil.

Soil for the benches should be prepared, and we will suppose that the grower has his compost heap already put up, for this is the only proper method to get soil in the right condition for use in greenhouses. Soil that has been stacked up for a few months will cut down mellow and sweet, and the manure will be nicely rotted. If the loam is heavy and close in texture, it should be turned over, and a liberal proportion of leaf soil or wood ashes should be incorporated with it. This will help to lighten the whole, and allow water to pass readily through it.

Some varieties, Golden Wedding particularly, must have a free soil to work in, for if the soil becomes sour and stagnant, disease will most assuredly appear. We have found that the best possible material to place in the bottom of the bench before putting in the soil is fresh sod. Place it grassy side down, to cover the spaces between the boards, and the bench will drain freely and evenly. The sod, too, as it rots, is valuable, for the mum roots love to ramble through the fiber and derive much nutriment therefrom. When fresh sod is not obtainable, and this is very often the case, a little clean straw laid over the boards will keep the soil from running through and blocking up the drainage of the bench. But when you can get sod, by all means use it in preference to anything else.

To get back to the soil, we believe in a good, sound loam, without much manure of any kind in it. The manure can be given at any time when the plants need it, and until they do need it its presence is often more harmful than beneficial by inducing too quick and sappy a growth. A learned professor in a paper that he read at the meeting of the Carnation Society in Philadelphia said among other things

that "Plants were like some men—they would not work for their living if they could get it without," or words to that effect. Every observant florist knows the truth of this remark, and there is a mighty big difference in the growth of a bench of mums where the soil is overcharged with manure and the growth where comparatively little is used and the plants are sending out roots in every direction, looking for nourishment, "working for their food." Get the root action and the top growth is bound to be all right.

Planting.

The earliest varieties can be planted any time now, the sooner the better, in fact, if the best results are looked for. We would plant all our varieties in May if space and circumstances permitted. The longer growing season the plants have, the finer will be the flowers, but one cannot plant the tall, strong growing varieties in May unless they can have at least eight feet of head room. Wedding last year planted in May ran up eight feet, which was pretty high, but the price the flowers brought was high too. Early varieties should be planted together in the same bench; then they can all receive the same treatment, and also when they are cut out the bench can be at once utilized for something else. After planting firm the soil well about the plants and they will make a close-jointed, sturdy growth, and this growth is the kind that produces good flowers. As to distance apart, we never plant less than 10x10, because we want the best or none, but good flowers can be produced on the early varieties if planted as close as 7x7. Use care when planting and put the tallest kinds in the center of the bench, grading down to the dwarf kinds on the outside, as, for instance, Merry Monarch and its yellow sport in the center, with Bonnaillon and kindred varieties next, and Glory of the Pacific and its white sport on the outside.

The conditions under which these bacteria are produced are being carefully studied by scientific men, and it is well known that the nitrates are produced most rapidly in a warm moist atmosphere. They are therefore not present in sufficient quantities to produce the most luxuriant growth of

vegetation in the spring of the year when in practice it is most demanded. Hence scientific men generally recommend the addition of nitrate to fertilizers intended for spring use, and in all cases where it is desirable to start the crop off with a rapid, vigorous, healthy growth.—Gardeners' Magazine.



Boarding Plants.

Boarding plants is a timely subject to discuss among the retailers, for now is the time every kind, old and young lady, will send round or carry her plant to you and ask you to keep it for her till she returns from Europe or the country home. This is a puzzling side of our business very few care to have anything to do with, because it is the one side there is the least satisfaction or profit derived from; still we must either take their plants or refuse in a way that will not drive their trade away; in all cases a great deal of diplomacy is required.

If you sell a person a plant in the autumn it does not necessarily imply that you should care for that plant all the next summer, but if that person has been or may be a good customer, it is to your interest to consider very carefully what you do. Many florists positively refuse to board plants, except for a few special customers, and they seem to get along better than those who want to grab all and lose much. There are many occasions upon which the average retailer could assert himself, his dignity and independence by refusing to take half dead plants back from customers, but the ghost of his brother florist up the street paralyzes his manliness. Yes, rivalry, with all its imaginations and deeds, makes us do many a small thing we are blind to ourselves, but which we would be quick to see and denounce if done by other professions. That is why we often say, "Oh, yes, certainly," when some lady comes to us with a dead palm with the request that she wants us to make it grow beautiful by fall; if we happen to refuse she may say something about your rival, and then, alas, you forget and take it.

Now, about one of the worst things

a florist can do is to have old rubbishy plants about his store, and every grower hates them in his greenhouse; they are a detriment to every part of our business. Of course, there are many good plants we have loaned out and which are still serviceable for decoration; if they have been in a dark house for months they should not be suddenly put in the full glare of the sun, for that will be fatal to undeveloped leaves; repot and thoroughly clean them, or better still, send them to your grower if you don't need them for decorations. If you are compelled to take plants to board for the summer you can charge 50 cents a month for each plant, or figure out the value of space they may occupy at about one dollar per square ft. for the year; in many cases you can throw the plant away and give your customer a new one for the price it would cost to board it; they need not know you do so and it is generally the best to do when you have no greenhouse.

Window Boxes, Etc.

The present warm weather makes many customers anxious to have their window boxes filled, and they all generally want them done at once. Pansies, daisies and ivies are the only safe things to put out in the north yet, for we have often had very severe frosts or killing chilly winds up to the 15th or 20th of May. We are still filling boxes and vases with pansies and they are very fine this year. The ivy for hanging vines are put in very thick; it gives a more substantial appearance to the box and they can be left there all summer. When you make up the boxes and vases for summer don't forget that cannas are very good for the center or background, but there are only a few varieties adapted for this purpose. This is where many retailers make the sad mistake of buying 6-

feet cannas which never bloom; get Pierson's Premier or Queen Charlotte for gold-laced scarlet, Madame Crozy for scarlet, Eldorado for yellow, Tarrytown for cherry red, Charles Henderson for crimson, Paul Marquant for salmon, Black Beauty or Egandale for red foliage, and John White for variegated; of course there are a few other varieties but most of them are tall growers, big-leaved or too dirty-flowered for what we are writing about. Single petunias, Dracaena indivisa, scarlet geraniums, variegated vinca, bright colored coleus, Lobelia gracilis, nasturtiums, hydrangeas and that class of stock is the best to use, but we will refer to this subject again.

Bay Trees.

There is an ever increasing demand for Bay trees in this country, and we find that the standard shape is the most popular; though pyramids are best suited to many positions, still the average buyer looks upon the pyramid shaped as merely green bushes and they have not much value in his eye. The tubs these trees are grown in and shipped here are not suited to our hot, dry climate, and it takes a great deal of watering to keep the trees alive if they happen to be in a sunny place. You can overcome this difficulty by putting the tubs into kerosene barrels cut to the right depth, and fill the space between the tubs with soil, this will retain the moisture and also keep your trees from blowing over and otherwise enable you to place and grow them on roofs or warm places. When these trees are placed on verandas or porches, however, where room is very scarce, let them alone in the original tubs but paint these green, the iron hoops black and put a pan under them to hold water.

Various Plants.

Large tubs of hydrangeas will be in big demand this summer for country places and seaside resorts, and they certainly make a fine show when filled properly and the tubs nicely painted. The majority of us have to deal in bedding plants more or less. In the New York plant market the growers put 12 assorted verbenas in baskets and sell them for \$4 per doz. baskets; these retail for 75 cents to \$1 per basket. The growers put the geraniums up 12 in a box, mostly assorted colors; they sell them for 75 cents to \$1 per box, and they retail for from \$2 to \$3 per box. Roses in pots are fine just now, Magnas, Brunners and Jacques; the growers sell for \$2.50 to \$4.50 per dozen pots; you can get from 50 cents to \$1.50 each for them. Pansies usually come in flats and they charge 60 to 75 cents a flat for them; you can sell them for 75 cents or \$1 per dozen. Ivy goes well just now and it's always safe to keep a few; you will pay \$2 a dozen for good ones and can double your money on them.

But let us go back to roses. You know every amateur asks for monthly roses. Many of you don't know what

that means and if you do I'm afraid you tell lots of stories. Well, there is no need for that because there are lots of tea roses obtainable and better prices can be got for them. Clothilde Soupert makes a fine pot rose and is selling well at present.

Pelargoniums, or as the people here call them, "Lady Washingtons," are very popular this year, and we think the demand would yearly increase if the growers grew them better. It's very remarkable how the American people differ in taste from the Europeans. There is always a great run on heliotrope, musk, fuchsias, double geraniums, selaginellas, etc., in Paris and London. In New York, roses, semi-double and single geraniums, pansies, cannas, verbenas and petunias are the greatest favorites.

We are behind Europe in the matter of plants. In the first place the big majority are poorly grown and badly presented in the market; they are put up with little of that artistic touch so very prominent in Paris and London, but there are extenuating circumstances connected with our side of the case. It is harder for amateurs to grow pot plants here, with our scorching climate; then again our growers are mostly men who have but recently wrested a fair living from a strange country and who have but inconvenient and poorly arranged markets to sell their goods in; a few years more and this will be changed.

Cut Flowers.

Let us drop plants now and talk cut flowers in which our country leads the world. The fashion in cut flowers changes very often in many cases here because we have such an immense and varied stock to select from all the year around, and the wide awake florist is always on the lookout for the first appearance of any particular flower. Double violets are over for this season but wild violets are on hand by the million and they are a lovely little flower; there is nothing in them for the retail florist, however, for the peddlers sell them in all our northern cities for a few cents a bunch, still we should have a good big dish of them in every store, they are good for funeral work, they make a splendid cluster (if arranged tightly) on an ivy wreath, or for that matter in any design, but don't scatter them or place them loosely, they droop too quickly. They are just the thing for children's parties and you can put narrow dark green ribbon on them, it's better than sickly violet or deep purple. They are also much worn as corsage bouquets and boutonnières in an informal way; good big bunches and no fixings of any kind.

Outdoor lilac is coming in very plentifully and it is fine material for many kinds of work. Some of you will say there is lots of work and very little money in outdoor flowers, yet the best of your customers demand them, and besides we must have something in the shop. The majority of

the lilac we have seen this spring was cut too short, doubtless the shippers considered package and expressage. Have your lilac cut good and long with some foliage with it and if you bunch it have it loosely done. If you decorate with it try to fill your vases high and loose and be careful what colors you put near it. If you fill a tall vase with lilac and let a spray of white dogwood hang down or lay in front it will give a pleasing effect; be careful though about the color of your vase. Although we may have a little more latitude with spring flowers, still discordant colored vases will spoil the effect of any arrangement and the more we use outdoor flowers the less we should use of ribbons.

This makes a pretty mirror: Cover the wood with green, but have it neat and trim, dark green for ground work, lighter tips or sprays on top to finish with; then get nice flowering branches of dogwood (*Cornus florida*), begin at the top of the mirror and arrange the branches so they will partly cover the green and show prominently through the glass; let a few sprays of bougainvillea hang from the top center or put a vase or cluster of lilac in the lower center.

Stephanotis floribunda is the latest for bridal bouquets, and it makes up beautifully. There are two ways of doing it. For the round bouquet, the foliage being too stiff, the clusters of flowers are put on No. 21 wire and a few buds are similarly wired. *Asparagus tenuissimus* is used for supporting greens and that is covered with fronds of *Adiantum gracillimum*; arrange your flowers loosely by fixing a cluster of buds and flowers here and there a little above the others, fringe off with *Adiantum Farleyense*; cover your handle first with tinfoil, then cream satin ribbon and short loops of tulle or very fine lace. This bouquet when finished should not be more than 12 to 14 inches in diameter and be very light in weight.

For the cluster spray the *Stephanotis* is cut in branches about 18 inches long and the large leaves cut off. One or two fine tips of asparagus are used for a background; the spray is arranged to taper to an irregular point, the top or hand-piece of the cluster is finished off well with flowers wired and fringed with *Adiantum*, a cluster of narrow white ribbon is tied on the handle; avoid stiffness and be careful the spray when finished is not longer than 16 to 18 inches.

There are some spikes of *Odontoglossum crispum* to be had yet. A few of them and a cluster of orange blossoms make up finely. Valley, of course, will always be the same old standby but when we use much green and wire it makes up very heavy. Remember the day of heavy clumsy bridal bouquets has passed; whatever material you may make them of they should be light and graceful.

The shower of ribbons is no longer in vogue among the better element;

the present styles of wedding dresses are more elaborate than ever, more lace is used on them, and in consequence smaller, choicer and more delicately arranged bouquets are required, and when you are tying ribbon on please consider how cheap it will look against lovely lace.

Cattleya Mossiae blooms are on hand, and what beautiful colors many of them have! Their delicate rosy lilac tints are just the thing wanted for bridesmaids' bunches, and there is a new ribbon that just matches them. Don't kill them with any other colored ribbon, be exact in the shades or use none. Remember when ferns of any kind are used for bouquets it should be first soaked in water for some time, and don't depend on it too much, keep it within bounds.

The long graceful racemes of *Dendrobium thyrsiflorum*, with their white and golden orange flowers, make a charming effect in the window; they are elegant for the basket handle or white or blue vase.

Cattleya citrina is the finest yellow flower obtainable just now, and it is offered to the bridesmaid in a yellow dress.

Blue cornflowers are coming in and are quickly snapped up; the color is a scarce one, and the flower is very popular for street wear. IVERA.

SOLOMON'S SEAL FOR FORCING.

It is strange how many are unacquainted with the fact that Solomon's Seal can be easily forced into flower in mid-winter, but such is the case, and yet it is a subject that lends itself most readily to this treatment, and its flowers then come in for a greater share of admiration than when allowed to expand naturally outdoors, while its delicate hawthorn-like fragrance is also very much more appreciated. It is so easy to grow, and the plant increases so rapidly, if a little ordinary care and attention is bestowed on it, that it is really one of the most inexpensive plants we have for forcing; all that is necessary is to set apart a piece of ground of sufficient size so that about one-third of the roots can be lifted each year. Any good garden soil will suffice, and if a little manure can be spared to dig in before planting, all the better. The roots should be planted in rows one foot apart, nine inches asunder, and deep enough to allow the crowns being covered with two inches of soil. Once planted, they give no further trouble, and spread very quickly indeed, and soon take possession of the whole plot. To keep up the stock, the roots, after being forced, should be taken care of and replanted, either where lifted from, or in another spot if preferred. It is a good plan to put a little litter in the autumn over that portion of the bed from which lifting is to be done, when there will be no difficulty in digging up the roots should severe weather set in.

As regards the forcing, all that is necessary after the roots are potted is

to place them in heat, but I find that forcing is considerably facilitated by plunging the pots in a fermenting bed of leaves, sufficiently deep enough to just cover the crowns; they must, however, be lifted out before they become drawn. Forced in this way they can be had in flower in from three to four weeks from the time of starting.

The flowers last in good condition for some time if the plants are moved to the greenhouse or conservatory just as they begin to open, and a few specimens will be found to be extremely useful for either of the structures named in the dull winter months.—A. Waid, in *Gardeners' Magazine*.

MISCELLANEOUS SEASONABLE HINTS.

Hanging Baskets.

It will soon be time to fill hanging baskets. They have of late years largely given way to a better style of ornamental gardening. They entail great labor and care and are suitable only for verandas of moderate sized houses. You frequently see a string of them hanging around the veranda of some public resort and as the result of wind, dust and neglect they are often as ornamental as a last year's bird's nest. But in spite of all this abuse there is sure to be some wanted and somehow or other what you have are sure to be cleaned up and gone before the season is over.

The wire baskets lined with green moss are the most satisfactory. The soil used in filling them should be of the richest; even if there is some bone-meal used it is no crime, for the number of plants you are expected to use in a 12-inch basket is enough to fill a flower-bed five feet in diameter, and this mass of roots has to secure nourishment from half a peck of soil. Still with faithful attention to watering and not too much exposure to the sun and wind they remain quite respectable in appearance throughout the summer. The chief beauty of a hanging basket is undoubtedly the so called vines, for the baskets are always in such a position that you get a view of the sides and bottom. The only time the top is much noticed is when you lift the basket off the hook and place it on the walk for the gaze of the prospective buyer, and say: "There's a beauty, Ma'm."

The center plants always look well in the greenhouse. The stimulus of the good rich earth, and the free circulation of air around them induces a free growth on the geraniums and begonias you have used in the center. But the drooping vines are the real essential part of the hanging basket. There is not a great variety of choice vines that will stand the ordeal but there are plenty of free-growing com-

mon plants and plants are none the less beautiful because familiar and easy to grow. The great popularity of the zonale geranium at the present day is proof of that. So be sure to use free growing vines, and don't put all the shorter growing kinds on one side of the basket, and the more rampant growing ones on the other.

Among the plants we use for vines are the ivy geraniums, green and variegated vincas, *Abutilon vexillarium*, double sweet alyssum, nasturtium, senecio, variegated glecoma, lobelia, *lysimachia*, *nierembergia*, English ivy, sedum. When the soil is well filled with roots these baskets need a great deal of water and they should be in a shaded house or they will get exhausted.

Vases.

The same class of plants of a larger size are used in our rustic baskets and iron vases, so many thousands of which are now used in our cemeteries. Perhaps some of my readers are in this laborious business. There is really not a great margin in the vase business, but when you get a fair price for the "care" or watering and you have a good number, there is a good remuneration for your work providing you have enough of it to do.

We have one style of filling that we call "good mixed." That means that we use a variety of plants and use our own taste. There is generally a *Draena indivisa*, a small phoenix or canna in the center. All palms, excepting the phoenix burn with us when exposed to cast iron vase conditions. Besides the edge, or drooping plants, we use double zonale geraniums, silver leaf geraniums, distinct coleus like *Verschaffelti* and Golden Bedder, *achyrantes*, *centaurea*, and if in a shady position under trees, *Rex* begonias and fuchsias. Don't put pelargoniums or feverfew into a vase; for that purpose they are a fraud. For large vases the English ivy is the best of all droopers.

Many people are tired of a mixture of plants and want their vase filled with a solid color of geraniums, or perhaps *Begonia Vernon*. They are the most satisfactory vases, and the most satisfactory people that order them, for your profit is double that on the mixed assortment, so you should be very civil to your customer and fill the vase well.

I have not kept posted on the newer geraniums, or have not tried them for this purpose, but what we want in a vase geranium are freedom of bloom and a cast iron constitution. When they want pink everyone asks for *Emile de Girardin*, and it is a good one, but no better than the fine *Beaute Poitevine*. S. A. Nutt can't be beat for a dark red (or is it a crimson?), and in its color Ernest Lauth is fine. *La Favorite* is a white that will grow and flower all summer.

People ask for all sorts of combinations, and you must please them. There is no business that doesn't have its drawbacks. But when the weeping widow or maiden aunt says she wants to select the plants for her vase and is very particular about the blending of the shades, then you will wish you had passed away during the stone age, or were a policeman. WM. SCOTT.

JADOO.

"What are the latest facts about Jadoo?" was one of the questions discussed at the last meeting of the Philadelphia Florists' Club, held May 2.

Mr. John Hobson, gardener to E. A. Schmidt, Esq., Radnor, Pa., exhibited a fine specimen *calceolaria* grown in a mixture of one-third Jadoo fiber and two-thirds soil, and a magnificent specimen of *bougainvillea* in pure Jadoo fiber, and was called upon by the president for some remarks.

Mr. Hobson responded: "I would say that I find I can grow my plants better in Jadoo than in the old compost. The foliage is better, and the culture much easier. In the summer time so much less water is required. I have found Jadoo to give greater satisfaction each year, and the more I have tried it the better I have liked it.

"The *Calceolaria hybrida*, which was grown partly in Jadoo fiber and partly in soil, is much better than any I have ever grown. Last year I grew them in the ordinary compost, but my plants this year are far superior. In fact, I have better plants at home than the one I have brought in, this being really a small plant. As one becomes better acquainted with Jadoo he is more successful with it, and I have found there is a great deal in understanding how to use it properly."

Mr. Michell asked if Mr. Hobson had sown the seeds of the *calceolarias* in Jadoo.

Mr. Hobson replied: "I have not yet, but I intend doing so this year. I mean to use Jadoo more and more. I may say that once you know it you will not give it up."

Secretary Lonsdale: "I would ask

Mr. Hamburger whether it is a fact, as stated in *The Florists' Review*, that one ton of peat moss makes five tons of Jadoo." (The statement in *The Review* was four tons, not five. Ed. Review).

Mr. S. Hamburger: "No. One ton of peat moss makes four tons of Jadoo."

Mr. Lonsdale: "What makes the difference in weight?"

Mr. Hamburger: "It is water and the chemicals. The process of manufacture of Jadoo is this: We take Holland peat moss and hold it until it is absolutely dry. What we are using now was brought into this country in May of last year. We then take a mixture of soot, raw gypsum, bone-meal, phosphoric acid, potash, nitrate of soda, and mix these together, with warm water, just as a man would mix mortar. Then we put these into a double jacketed kettle with a false bottom, which is heated by live steam. We then put our peat moss into a cage made of strips of steel with spaces between each of the strips. We turn on the steam, and the hot water passes through the chemicals in the false bottom and up through the moss, which is kept in that boiling condition for about thirty-five minutes. Then as much of the excess water as possible is drained off, and the cage is put under a press of sixty tons pressure, the excess water being forced out of it. The Jadoo is allowed to ferment until it reaches a certain temperature. This takes about thirty days. At the start there is an average temperature of about 130 degrees.

"The only difference in manufacture between that in this country and that in England consists in the fact that we manufacture our Jadoo by machinery, while in England the work is done by hand. Therefore our Jadoo is more even in respect to the mixture of our chemicals and pressure. The moss and chemicals are as accurately weighed as a druggist or chemist would weigh the ingredients of a physician's prescription."

CHICAGO.

The Market.

The supply has shortened some and there is no surplus of really first class roses, though there is a big lot of the lower grades in the market. In carnations there is a big surplus, the poorer grades suffering the worst, as is usual in such cases. Harrisii have picked up some little in price, and all the good ones coming in are finding a market. Some of the fag ends, though, are not good enough to sell even under present conditions. Sweet peas are coming in more freely and sell fairly well. Lilac is also more abundant and good stock meets with favor. Some "Old Red" paeonies are being received from Southern Illinois and sell at 4 to 6.

Outdoor bulbous flowers are not much in evidence, owing to the great

damage to bulbs the past winter. The losses have been very serious.

So far this week business has certainly been considerably ahead of last week.

Mildewed stock is already making its appearance. Evidently some growers failed to keep up their fires during recent cold nights.

Various Notes.

There was some discussion upon greenhouse construction at the last meeting of the Florists' Club but there being no essayist for the evening it seemed difficult to get the members warmed up to the subject, and the attendance was not as large as it should have been. Many of those who are usually regular attendants are very busy at present. A fine specimen of *Hydangea Otaksa* was exhibited by Jos. Reeve. "Bedding Plants" is the subject for discussion at the next meeting, May 19.

The new series of prize bowling games start tomorrow evening (12th inst.). The series will consist of 24 games and 16 must be played to be considered among the prize winners. These will be handicap games and everyone will have an equal chance.

H. MacMichael has purchased the Morton Grove greenhouses from P. Kreismann. Mr. MacMichael will take personal charge, and Paul Kopanka, who has been foreman for Mr. Kreismann, will be open to engagement June 1.

Branches of apple-blossoms were most effectively used in a recent display in John Mangel's window.

Phil. Hauswirth was in Bloomington this week attending the Great Council of the Order of Red Men of Illinois, in which order he is an official of high degree.

John J. Mitchell is adding to his conservatory and building a rose house 32x18, a violet house 32x12 and a general plant house 30x10. George Woodward is the gardener here.

The American Association of Nurserymen will hold its annual convention at the Chicago Beach Hotel in this city June 14 and 15.

Mr. A. W. Nelson, representing F. R. Pierson Co., Tarrytown, N. Y., was a recent visitor.

Bassett & Washburn reported everything sold out clean on Tuesday.

C. W. Northrup is now cashier of the La Grange State Bank. He still keeps his greenhouses but is not very cheerful over results the past winter. Nearly all of his "hardy" lily bulbs were winter killed, including 3,000 longiflorums.

We hear that Klehm Bros. estimate their losses from winter-killing among supposedly hardy stuff at \$10,000.

G. Swenson, at Elmhurst, suffered badly. Campanulas, paeonies, irises, and even Mme. Plantier roses were badly killed out.

Walter Heffron reports that at Washington Heights hardy grape vines of considerable age were killed, and

a hedge of Harrison's Yellow roses that was many years old was entirely killed out.

The least damage seems to have been done where there is a sandy subsoil, or where the plants stood in an elevated position and had "dry feet."

McKellar & Winterson report large sales of shrubbery, hardy roses and clematis as well as pot plants. They are showing samples of a round metal rimmed tag for florists to attach to plants that seems an excellent thing. One large local florist has bought 5,000 of them. He will print his card on one side and instructions as to care of the plant on the other.

W. E. Lynch has some dwarf dagger ferns from the south that will no doubt be popular. They are very pretty and not so coarse as the large ones.

Lloyd Vaughan started on another trip last Monday.

BOSTON.

The Market.

Again I have to report another week of summer dullness, although during the last day or two the improvement over the previous part of the week has been quite noted—in fact, the prices on roses have stiffened very perceptibly and so good a grade can't be secured for the same money as a week ago.

Carnations of all kinds are in overabundance. Violets, owing to the sudden let-up of the Mayflower supply, have again been an item, and some very fair blooms are to be seen. Lilies and bulbous stock are in good supply, but at low figures. Quotations are variable and depend a good deal on the ability of the seller. Roses, with the advent of warm weather, have rather depreciated in quality. Brides and Maids are in fair demand at from \$1 to \$8 per 100. Carnations from 50 cents to \$3 per 100; a few bring a dollar more, but the greater portion of them are selling at from 50 cents to \$1 per 100. Violets rather scarce; from 25 to 75 cents per 100. Valley, from frames, at \$2 to \$3 per 100; lilies, 50 cents to \$1 per dozen; Jack roses are not much in evidence, giving Beauties a show; quotable from 50 cents to \$3 per dozen.

The Plant Trade.

The plant season has been inaugurated with the advent of a few pleasant days, and the fakirs' teams, with pansies, geraniums and the more hardy plants, are to be seen in all of the suburban towns. At the market trade is still very light, and of those who have annually been prominent among the dispensers of bedding plants, J. Newman & Son, of Winchester, and A. Leuthy, of Roslindale, are the only ones who have had the courage to face the cold, raw weather that has prevailed up to date. They report very little doing as yet. At McCarthy's auction room the stock up to the present time has been mostly of a

hardy nature. What bedding plants that have been on sale have, however, sold fairly well.

The News.

The Massachusetts Horticultural Society inaugurated their usual successful summer exhibitions with a grand display of seasonable plants and flowers on Saturday, May 6. Prizes were awarded for vegetables and for native wild flowers. Mrs. D. P. Richards had her customary collection of wild flowers and secured first prize, second being awarded to Miss Alice Grinnell; third to the Misses Doran. Among other exhibits John Barr, with Mrs. B. P. Cheney, had some excellent specimens of calceolarias in 9-inch pots; Dr. C. G. Weld had a collection of azaleas, and some exceedingly well grown plants of hybrid amaryllis, together with some specimens of *Boronia elatior*. Chas. H. Souther had a nice collection of pelargoniums in 8 and 9-inch pots. J. S. Bailey had a fine specimen of *Cattleya Mendellii* and showed specimens of the new palms *Areca Isbenianni* and *Licuala Jeanencyii*. W. N. Craig and Dr. Weld exhibited quite a variety of narcissi. The Harvard Botanic Gardens, Mrs. E. M. Gill and James Comley made their usual exhibits of seasonable flowers.

At the store lately vacated by Galvin & Co., the firm of E. G. Sterne & Co. are advertising themselves as a new retail flower concern. A placard in the window reads "The Boston Tavern Florists."

The New England Florist Company have made an assignment to Frank M. Forbush, as trustee, for the benefit of its creditors. P.

NEW YORK.

[Club Meeting.]

The regular monthly meeting of the New York Florists' Club was held on Monday evening, May 8. In the absence of the president and vice-president Mr. Samuel Henshaw, head-gardener of the New York Botanical Gardens, presided. Although the attendance was small it nevertheless was enthusiastic and fully competent to cope with any floricultural or horticultural subject. There is one point we can feel sure of in New York, if any one comes along looking for news or points he can get them here.

Tonight's meeting was interesting from many points, and Mr. E. M. Woods' paper on the cut flower business made matters most exciting. The discussion of the paper brought out the concentrated feeling of the members present against anything pertaining to trusts or combinations in the flower business. New York cannot stand for anything like that. Mr. C. W. Ward said the man who paid careful attention to the growing and shipping of flowers had all he could attend to, that good flowers would always find a market, and that the cut

flower business as in the manufacturing business must of necessity be ruled by the laws of supply and demand; he was sure the future looked very bright for the cut flower trade, but it was wise not to be too sanguine.

Ex-Alderman Morris spoke eloquently against the idea of combinations in the florists' trade and opposed any fixity of prices as inconsistent with the tone of the flower market of today.

Mr. Herrington thought the trouble lay in the small and incompetent growers demanding the same prices for inferior stock as the large growers for extra grade stock, and was of the opinion that no understanding regarding prices could be arrived at until inferior growers were weeded out of the business.

Several commission men present were asked to give their opinions and experience, but the requests were diplomatically declined, they insinuating they came there to get points, not to give them. Mr. Stewart gave a most interesting description of how business was conducted when he was in the wholesale business.

Mr. Wood, in reply, said that he did not wish to appear as in favor of trusts, still he thought the time would soon come, if it had not already arrived, when quality would rule over quantity, and he thought the day would come when it would be advisable to formulate some plan to regulate the prices of stock. Mr. Wood was voted a hearty vote of thanks for his interesting discussion.

The regular order of business was then attended to. Mr. C. W. Ward, chairman of the committee of awards, stated that in accordance with the rules of the club he had visited Mr. Marquisee's place at Syracuse for the purpose of seeing the new carnation, "The Marquis," and he found it worthy of all that was claimed for it; he gave it 94 points and recommended the club's certificate. Mr. Ward's report was adopted.

Mr. Stewart reported for the essay and entertainment committee, and stated that he had made arrangements with Prof. Elson, of Boston, to deliver a lecture before the club on May 22, subject "Songs of the Sea." This will be a special meeting and will be devoted to the ladies. Members are requested to bring their wives and lady friends to this meeting; they will never regret it.

Mr. John Birnie exhibited several plants of his new pelargonium "Alfred Henderson," a sport from Gen. Taylor. Mr. Birnie has grown it for four years; it is distinct from any existing variety; the flowers are a lovely shade of rosy lavender and are borne on good trusses. It was awarded honorable mention. And let us further add, it would be well for a club like that in New York to have competent men to judge new flowers that come before them from time to time; it is all very well for cynical outsiders to pretend

to expertness on certain occasions, their judgment, no matter how weighty, does not tend to encourage either the producing or exhibiting of novelties or improvements. If New York florists wish to encourage improvements in floriculture let them show it. A new pelargonium may not be as important in a commercial sense as a carnation or a rose, but it is to floriculture at large; even were it a modest mountain daisy, and if it were new it deserves recognition from even such an august body; don't crush the ambitions of the lowly, remember what we all sprang from.

Mr. Young, on behalf of the Board of Trustees, reported that they had unanimously decided to invite the S. A. F. to hold their convention in New York City in 1900. A committee consisting of the president of the club, Wm. Plumb, P. O'Mara, J. Morris, J. G. Esler, J. N. May, W. A. Manda, A. Wallace, H. A. Siebrecht, C. H. Allen, E. Dailledouze, A. L. Don, J. H. Taylor, C. W. Ward, Jas. Dean and Messrs. Armitage and Bruggerhoff, were appointed to attend to the invitation.

All we can say is that if the convention is held in New York next year, it will be the greatest ever held, a magnificent exhibition can be assured and then we have the great Botanical Gardens to show you.

Word was informally received from the Philadelphia Florists' Club to the effect that it was that club's desire to have the New York boys go to Detroit by way of Philadelphia. Action was, however, delayed until the matter is officially put before the club.

Various Items.

A. J. Edmonds, Bristol, R. I., is visiting our city.

All the principal retail florists are busy today, on funeral work for the late Mrs. Wm. C. Whitney. More flowers will be used on this sad occasion than were ever used for a funeral before. A full description of the designs will be given in your next retail notes. IVERA.

NEW YORK vs. FLATBUSH.

There was lots of fun at the match between the New York and Flatbush Florists' bowlers, which was fought on the alleys of the Central Opera House, 67th street, New York City, on the night of May 6th. Flatbush lost both the regular team games, but won the all-comers' game.

Rather poor scores were made by both teams in the match games, each side being evidently too determined to win, and we all know when you want to make high scores on the alley it invariably happens that you make the lowest. Whether it was the "nervousness" or the awful lunged "coachers," or both, that were responsible for the scores no one seems to be able to settle, but with Burns' "White Slippers" and "Lang's Glasses" on the New York side, and Schmutz's "Red Tie"

on the Flatbush side, it was unanimously voted that "Hoodoos" were responsible for everything, and the "Red Tie" was worst of all.

NEW YORK.

	1st.	2nd.
T. Roehrs	179	140
A. S. Burns	88	118
P. O'Mara	142	133
L. Hafner	147	154
J. Manda	179	202
F. Traendly	121	127
T. J. Lang	111	136
Totals	967	1,010

FLATBUSH.

	1st.	2nd.
W. Prosser	99	111
L. Schmutz	102	127
P. Daillidouze	154	117
J. I. Raynor	110	114
P. Riley	136	147
D. Y. Mellis	116	127
E. Daillidouze	94	146
Totals	811	889

After these battles had been won by the New Yorks, two enlarged teams were organized, and "Pots" and other vehicles containing car fare were duly collected into heaps, by those most confident, to carry them away.

NEW YORK.

Roehrs	155
Burns	125
O'Mara	174
Hafner	137
Manda	134
Traendly	122
Donlan	141
Butterfield	84
Blind	128
Total	1,200

FLATBUSH.

Zeller	107
Schmutz	111
P. Daillidouze	150
Raynor	123
Riley	234
Mellis	135
E. Daillidouze	114
Phillips	153
Werner	92
Total	1,218

After all was over the party sat down to supper and with O'Mara's variations on "Dooley in Peace and War," and other bon mots, of solid and desserts, a most enjoyable night was spent; even the Flatbush boys forgot their defeat, possibly assisted by the remembrance that they had won in the two previous matches.

IVERA.

ST. LOUIS.

The Market.

There has been no improvement in the cut flower trade since our last report. The warm weather more like July than May, brought out the stock very rapidly and most of it being of a very poor quality.

Roses are soft and off color. Some of the best Beauties still sell for \$3 per dozen; shorts bring a much lower price and the fakir is selling them at 15 cents per dozen. Other roses, Brides, Meteors, Maids and Pearles are plentiful and are quoted at \$1 to \$3 per 100 for good stock, while some sold as low as \$6 per 1000.

Carnations have taken a great tumble, are extremely plentiful and the demand slow. Selected fancies range from \$1 to \$1.50; general stock, 50 and 75 cents per 100. White is in fair demand, while reds, Scott and Daybreak come in somewhat bleached from the hot weather. Violets are pretty well at an end and the few coming in are small and not salable. Sweet peas are

more plentiful, have taken a drop and now bring 35 cents per 100. Harrisii and Callas are still a great glut and lots of them go to the dump pile. Price asked is \$4 and \$6 per 100; in large lots at your own price.

Bulb stock is becoming scarce, the outdoor stuff is now swamping the market. Lots of lilac and snowballs. Some very good outdoor valley is seen and brings \$1 per 100. Dagger ferns are now coming in and sell at 20 cents per 100. Smilax is still selling well and is not over plentiful.

The Plant Market.

The growers are more than pleased with the outlook for the season, as their spring plant trade has been good, most of them having disposed of large quantities of plants at the market and have booked large orders for bedding plants. The plants offered for sale this spring are very fine, clean and healthy and excellent stuff can be seen at the stands of C. C. Sanders, Wm. Schray, C. Young and Sons, Chas. Bayer, and many others.

The planting in the different parks in the city will begin this week. The shrubbery and trees throughout the parks are looking at their best and everything looks springlike.

Notes.

An exhibition of wild flowers which grow around St. Louis, will be given by the Engelmann Botanical Club of St. Louis, in the Board of Education building, May 13. The exhibition will be open to the public from 2 to 9 p. m. and will be extremely interesting as specimens of every known wild flower within 50 miles of the city will be exhibited.

Michael Semmler, Sr., florist, of Belleville, Ill., died at his home Saturday, aged 73. Mr. Semmler was well known throughout the country. He was an enthusiast in anything that related to floriculture. The funeral took

place Monday at 2 p. m. and quite a number of St. Louis florists were in attendance. The widow and children have the sympathy of all florists.

James Arado, for many years with the Jordan Floral Co., is now with C. Young and Sons Co.

A severe wind and hail storm yesterday (Sunday) afternoon did great damage to trees in Tower Grove and other parks, although the hail was not large enough to do much damage to glass. With the South St. Louis florists the only real damage was at Gus. Eggling's place, who was right in the path of the storm. Gus. reported his loss at \$100.

Bowling.

On Monday night the Bowling club rolled six games with only five members in attendance. The warm weather must be keeping the boys away. The proprietor of the alleys will have two large electric fans for us by Monday night so as we can keep on bowling during the summer months. The scores made were good, as will be seen below:

	1.	2.	3.	4.	5.	6.	Tl.	Av.
Kuehn	163	125	164	182	148	174	961	160
Beneke	123	176	185	151	165	141	941	157
Kunz	185	129	159	153	156	782	156	
Sanders	145	145	145	145	145	290	145	
Young	127	174	132	124	557	139		

J. J. B.

NURSERYMEN'S CONVENTION.

The American Association of Nurserymen will hold its twenty-fourth annual convention in Chicago June 14 and 15. The Chicago Beach Hotel has been selected as headquarters and the meetings will be held in the hotel.

LA FAYETTE, IND.—Herman Roth, formerly of Huntington, Ind., is now nicely located at the corner of Fowler avenue and Grant street, where he is growing high-grade roses and carnations.

The Right Cypress for Greenhouse Material.

Have you heard of Cypress Greenhouse Material that has not been satisfactory? If you have it does not follow that Cypress is not the best lumber to use. There is White Cypress, Yellow Cypress and Red Cypress; there is Cypress that grows on the high lands and Cypress that grows in the swamps.

All of these different kinds are not suitable for greenhouse purposes. Do you know which kind is best and do you know that kind when you see it? If not you would better buy from those that do know and will deliver exactly what they sell. We introduced Cypress for greenhouse construction and pushed it to the front. We know all about it. For fifteen years we have made a specialty of furnishing it, and during this time we have built up a reputation that we can not afford to jeopardize. We send out the best only.

Write for Circulars
or Estimates.

Lockland Lumber Co.

LOCKLAND, OHIO.

Mention The Review when you write.

PITTSBURG.

The International Growers' Exchange has started in business at 337 Sixth avenue, as "agents for agricultural and horticultural products and real estate." A. W. Smith, Jr., and Fred Stokes are at the head of the enterprise.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

WANTED—Florist or grower; a first-class man or lady florist would have a good chance to take part in one of the best florist establishments in the west, either as a partner or manager. Address 40, care Florists' Review.

SITUATION WANTED—By trusty, first-class all round florist; 18 years experience, private and commercial; 9 years at last place; competent to take charge. Address Gardener, care Florists' Review.

WANTED TO RENT—Vicinity Chicago, modern greenhouses, about 20,000 sq. ft. glass; suitable growing American Beauty Roses. Address Wood, care Florists' Review.

SITUATION WANTED—As foreman of cut flower growing establishment; thoroughly capable to take charge of large place; at liberty June 1st; best references. Address M. K., care Florists' Review.

FOR RENT—16,000 feet of glass within 12 miles of Chicago court house; fairly good condition; some houses new; new boiler; long lease. Address C. N., care Florists' Review.

FOR RENT OR SALE—First class retail stand, 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. Claus, Springfield, Ill.

SITUATION WANTED—A first class florist and decorator, at present employed by one of the most progressive and up to date florists in the country, wishes to make a change. Full particulars may be had by addressing G. W., care of Florists' Review.

SITUATION WANTED—A first-class florist, grower, decorator and designer wishes to make a change; at present employed with a first-class floral concern in Chicago; 15 years experience; age 30, single. Address R. S., care Florists' Review.

WANT Summer-Flowering Forget-me-nots. Also Lycopodium Emmeliana. What sorts have you? Give size and prices of above. Address M., care Florists' Review.

BUSINESS OPPORTUNITY. A rare opportunity is open to a hustling business man with some capital to get into a well established and profitable business. A chance of a life-time. Those meaning business may obtain particulars by addressing

ROX, care of Florists' Review.

WANTED....

Several men as helpers in our rose houses. Apply ready for work to
BASSETT & WASHBURN,
Hinsdale, Ill.

FOR SALE-Rare Chance

A well established and paying florist's business, consisting of 12,000 sq. ft. of glass, centrally located on principal thoroughfare of thriving city in gas belt. Population 25,000. Only greenhouse in city limits. Death of proprietor reason for selling. For particulars address

MRS. HENRY MICHEL, Marion, Ind. (Grant Co.)

Mention The Florists' Review when writing advertisers.

Cape Flowers.

NEW CROP.
JUST ARRIVED.

EXTRA FINE and LARGE. Special price for case lots.

Price of Wire Has Advanced.

M. RICE & CO.

Importers, 25 North Fourth Street,
Philadelphia, Pa.

Mention the Review when you write.

Florists' Purchasing Agency,

H. P. DIDRIKSEN, Mgr.

56 Fifth Avenue, CHICAGO.

We can get you **JOBBER'S PRICES** on any Supplies or Merchandise you may need. Special inside rates on

Pipe, Fittings, Glass, Windmills, Florists' Ice Boxes, Counters,
Pumping Engines, Steam Pumps, Show Cases, Tools,
Tanks, Hose, Florists' Delivery Wire for Staking,
Wagons, Putty, Paint, Boiler, Office Furniture, etc.

TELL US WHAT YOU WANT....

WE WILL GET IT FOR YOU AND AT PRICES THAT WILL PLEASE YOU.

Mention The Review when you write.

A few hundred left of our Superb

VIOLET Clumps

which we wish to close out this week and so offer at \$4.00 per 100. Cash with order.

Marie Louise, Farquhar and Lady Hume Campbell.

R. E. SHUPHELT,

Violet Specialist, CHATHAM, N. Y.
Mention the Review when you write.

MARIE LOUISE VIOLET....

Rooted Runners, \$5.00 per 1000.
Healthy stock. Cash with order.

JOSEPH MARKLE, - RHINEBECK, N. Y.
Mention The Review when you write.

EVERY FLORIST
OUGHT TO INSURE
HIS GLASS AGAINST **HAIL**

FOR PARTICULARS ADDRESS
JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.
Mention The Review when you write.

Rooted Runners from

MARIE LOUISE VIOLETS which have borne 100 flowers per plant this last winter.From now until May 15th will sell good Rooted Cuttings at \$5.00 per 1000. Come and see for yourselves, dear friends, and I

will prove to you that my stock is clean, free from disease and first-class in every respect. Money refunded if not just as I say. Cash with order.

C. LAWRTZEN, Bx. 202, Rhinebeck-on-Hudson, N.Y.
Mention The Review when you write.

Florists' Stock of Bedding Plants

Alternantheras, Coleus, Geraniums, Pansies, Daisies, Verbenas, Fuchsias, Salvias, etc.
Write for prices. Florists are invited to look over our stock when in Milwaukee.

ARCHIE MIDDLEMASS,
1010 Forest Home Ave. MILWAUKEE, WIS.
Mention The Review when you write.

E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention the Review when you write.

PITTSBURG.

Since the last report business has been unexpectedly good. Prices continued to hold up until the middle of last week, when a surplus of stock was found and prices went down. Deterioration in roses and carnations has been noticed due to the unusually warm weather a week ago.

The growers of potted plants report an improvement over last year's business and they are obtaining better prices for their stock. The seedmen also report an improvement in business.

A number of our growers are overhauling their heating apparatus. F. Burki of Bellevue is erecting a large asparagus house. From all indications the Pittsburg delegation to the convention at Detroit will be a very large one. The club will take action at its next meeting to arrange for railroad rates, etc. A very low rate is promised from this point. An attempt will be made to have the eastern delegation join the Pittsburg delegation here.

Bowling.

The prospective winners of the bowling prize at the convention, the local bowling team, met for practice last week and made the following scores:

	1.	2.	3.	4.	Tot.	Av.
Wm. Lauch	139	167	145	180	631	158
W. O. Beiler	151	164	168	154	637	159
E. C. Ludwig	121	126	162	160	569	142
J. W. Ludwig	185	172	131	133	627	155
Geo. Oesterle	158	139	139	130	566	141
T. P. Langhans	108	100	112	112	432	108

The only explanation the writer can offer for this low score is that his suspenders suddenly divided.

T. P. LANGHANS.

MOLINE, ILL. — Wm. Knees will erect additional greenhouses this spring.


WHOLESALE FLORIST,

11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.

Mention The Review when you write.


800,000
FEET
OF
GLASS.No
charge
for
packing.**Wholesale
Growers of****Cut Flowers**

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.**51 Wabash Ave., CHICAGO**

Mention The Review when you write.

Bassett & Washburn

76 Wabash Ave., CHICAGO, ILL.

**Wholesale Growers of
and Dealers in CUT FLOWERS**

Greenhouses at Hinsdale, Ill.

Mention the Review when you write.



Our prices are as low as any
and our stock superior.
We ask for a trial order.

Mention The Review when you write.

A. L. RANDALLTelephone 1498 **Wholesale Florist**

4 Washington St., Chicago.

In our new and enlarged quarters we are better
prepared than ever to handle your orders.
Mention The Review when you write.

**WHOLESALE
GROWER OF ROSES. DEALER IN
CUT FLOWERS.****J. A. BUDLONG,**

37-39 Randolph St., CHICAGO, ILL.

Mention The Review when you write.

**Cincinnati
Cut Flower Co.**416 Walnut St. **Wholesale Florists**
CINCINNATI, O.

Consignments Solicited.
Special Attention Given to Shipping Orders.
Mention The Review when you write.

W. A. MANN.
FRANK W. BALL.**Wholesale Price List.****AMERICAN BEAUTY**

Extra long stem...per doz. \$3.00

24-inch stem....." 2.50

20 "....." 2.00

15 "....." 1.50

12 "....." 1.25

8 "....." 1.00

METHOD.....per 100, 3.00 to 5.00**BRIDESMAID**.....per 100, 3.00 to 5.00**BRIDE**....." 3.00 to 5.00**PERLE**....." 3.00 to 4.00**CARNATIONS**....." 1.00 to 1.50

fancy....." 2.00 to 3.00

Quotations subject to change without notice.
All other stock at lowest market prices.

C. A. KUEHN **WHOLESALE
FLORIST**

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral
Designs. A full line of supplies always on
hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.

Mention Florists' Review when you write.

**H. G. BERNING,**(Successor to
St. Louis Cut Flower Co.)**WHOLESALE
FLORIST,**1322 Pine Street,
ST. LOUIS, MO.

Mention The Review when you write.

ELLISON & TESSON,**WHOLESALE SHIPPING****FLORISTS**

3134 Olive Street, ST. LOUIS, MO.

...Home Grown Stock...

Mention The Review when you write.

**Maplewood Cut Flower and
Plant Co.** **GEO. M. KELLOGG, Pres.**

Growers of CUT FLOWERS at Wholesale.

Regular shipping orders given special attention. We
have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.

Mention The Review when you write.


Laelia Anceps Alba,

Just arrived in fine condition.

L. Anceps and L. Autumnalis expected shortly.

Lager & Hurrell, Growers and Importers.... **Summit, N. J.**

Mention The Review when you write.

KENNICOTT BROS! Co.

Wholesale Cut Flowers and
Florists' Supplies,

42 and 44 Randolph St., Chicago, Ill.

Long Distance Telephone Central 466.
Mention The Review when you write.

McKELLAR & WINTERSON,

Wholesale Florists,

45-47-49 Wabash Avenue.

CHICAGO.

OUR SPECIALTIES:

We have the
LARGEST WHOLESALE
House in Chicago.

Orchids, High-Grade Roses,
Carnations and Violets.

Full Line FLORISTS' SUPPLIES, Seeds, Bulbs, Hardy Stock.

Mention The Review when you write.

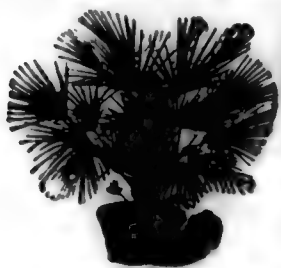
BENTHEY & CO.

F. F. BENTHEY, Mgr.

WHOLESALE AND COMMISSION Florists. Consignments Solicited.

41 Randolph St., CHICAGO.

Mention The Review when you write.



**Palms
and Ferns**

The Largest Stock of
Plants in the West.

Send us your name
and we will keep you
posted when we have anything special to offer.

GEO. WITTBOLD, 1708 N. Halsted St. CHICAGO.

Mention The Review when you write.

Asparagus Plumosus

Strings
10 feet long.
50 cents.

Nanus

Shipped
to any part
of the country.

W. H. ELLIOTT,
BRIGHTON, MASS.

Mention The Review when you write.

Large Latania Palm Plants.

	Per Plant.
1 plant to pot, 4½ ft. high, 8-in. dia., 10 leaves,	\$5.00
1 " " 4 " " 8 " 8 to 9 "	4.00
1 " " 3½ to 4 " " 8 " 7 to 8 "	2.50
1 " " 2½ to 3 " " 8 " 7 to 9 "	2.00
2 " " 4½ to 5 " " 8 " 12 to 14 "	6.00
2 " " 4 to 4½ " " 8 " 12 " "	5.00

Large Areca Plants. Prices on application.

	Per doz.	Per 100
Jacque Rose plants, large, 8-in. pots,	\$1.00	\$30.00
" " " " 5 " "	2.50	20.00
Souper " " " 5 " "	2.50	20.00
Kaiserin " large strong, 6 " "	4.00	30.00

J. Wm. Colflesh, 53d St. & Woodland Av. Philadelphia

Mention The Review when you write.

The

WILL BE
READY
FOR
DELIVERY
IN JUNE.

Florists' Manual

PRICE,

\$5.00

SEND IN YOUR ORDER NOW.

Payment need not be made
until book is ready.

By WILLIAM SCOTT.

FLORISTS' PUBLISHING CO., 520-535 Caxton Bldg., CHICAGO.

Hot-Bed

Sash.

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3	ft. x 6 ft., 3 rows 10 in. glass.
3 ft. 3 in. x 6 ft., 4	" 8 in. "
4	ft. x 6 ft., 5 " 8 in. "

Not glazed, 1¼ in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,

Lockland, Ohio.

BABY PRIMROSE.



The newest thing for
Easter Blooming.

Flowers in thumb pots; grows rapidly, 6-in. pot, carry 50 to 100 sprays of rosy flowers, 12 to 18 in. long; lasts 4 weeks when cut and wholesale at \$2 per 100; grows finely in cool house; perpetual bloomer. 12 for \$1.50, \$10 per 100, express prepaid.

New Fragrant \$1000
CALLA.

Very dwarf and free bloomer, has the fragrance of violets and lilies, \$1 and \$2 per 12, \$6 and \$12 per 100, mailed.

Asparagus Sprengeri.

2-in., 24 for \$1.50, mailed; 3½-in., 24 for \$2.50, mailed \$7 per 100, express.

A. BLANC & CO., Philadelphia.

Mention The Review when you write.

ANTON SCHULTHEIS, P. O. Box 78...
College Point, Queens Borough, N. Y.
HEADQUARTERS FOR

PALMS and Decorative Plants in Quantity

Come, see Ericas (Heather), also Full Line of Other Flowering Plants
Price List on Application.

Mention The Review when you write.

BUFFALO.

Trade continues about the same. No great call for flowers, but there have been a few good funerals, that have helped out considerably. There was a general clean-up on carnations last Saturday. One florist having started a ten-cent sale on Friday, we all joined in and helped him out on Saturday. Anything went and Billy Kasting got rid of several thousand carnations that had seen better days, as well as many good ones. While not believing in these methods too often, carnations at 10 cents a dozen does a little good all round. Of the three parties the grower, the retailer and purchaser, two are decidedly benefited. Hundreds bought carnations who never would have indulged at a higher price. The grower is decidedly benefited, for his produce would have wasted their sweetness on the cellar walls, and the retailer was not hurt for he made 4 cents a dozen profit. Other commodities of less perishable nature have bargain days. Why not flowers? Roses are very plentiful and very cheap. When you can buy fair roses for 35 cents per dozen there is no room for the Greeks or street peddlers of any nationality.

Have any of your readers noticed how fine Helen Kellar carnations are this spring? Perhaps not quite as prettily pencilled as Mrs. Bratt, but fully its equal in size and stem, and you can pick at least double as many as you can of the Missus.

The large houses which have been run by Mr. T. A. Webb in the village of Corfu, since the death of Lester Webb, are now on sale. There is about 35,000 feet of glass. It seems a good chance for some young man with plenty of energy, muscle, knowledge and a little capital. Mr. Rebstock, with the writer and a Buffalo Episcopal minister, visited the quiet village a few days ago. The conversation was moral philosophy with a tincture of dianthus flavored with Nicotiana virginica. It was pleasant all round. Our family doctor says with much truth he likes the Episcopal denomination for they never interfere with politics or religion.

The country, and even our city, is
[Continued page 606.]

SOLD!

All our Geraniums are sold except a few thousand **Skeleton Bone**, \$2 per 100; 2½-in. pots, \$3.00 per 100.

COLEUS, by the 1,000, 10,000 or 50,000. Now ready **Crimson Verschaffeltii** and **Golden Queen**, \$5 per 1000; in variety, \$5 per 1000. **Verschaffeltii** and **Queen** in 2-in. pots, \$15 per 1000.

Giant Alyssum, 2½-in. pots, \$3 per 100; rooted cuttings, \$1 per 100.

Ageratum, blue and white, 60c per 100; \$5 per 1000.

Fuchsias, standard sorts, \$1.50 per 100; \$12 per 1000; 2½-in. pots, \$3 per 100.

Feverfew, **Little Gem**, from flats, \$1.25 per 100; \$10.00 per 1000.

Marguerite, **Double Golden**, \$2 per 100.

Double Petunias, \$1.50 per 100.

Salvia, **Splendens** and **Bedman**, \$1 per 100.

Heliotrope, 6 varieties, \$1 per 100; \$9 per 1000.

Vineas var., cuttings, \$1.25 per 100; 4-in. stock, fine, \$5 per 100; \$50 per 1000.

The above are rooted cuttings except where noted.

Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y.
Mention The Review when you write.

REGULAR SHIPPING ORDERS RECEIVE
SPECIAL ATTENTION.



TOR BROS.

Wholesale Growers of

CUT FLOWERS,

51 Wabash Ave., CHICAGO.

We have 6,000 Meteors in 2-inch pots, which we offer at \$18 per 1000. Fine plants.

Mention The Review when you write.

DAHLIAS

By
the
Tens
of
Thou-
sands.



My prize winners carried off the highest National honors yet awarded the Dahlia—a diploma and gold medal at the Omaha Exposition. Get my catalogue before ordering elsewhere.
Box 382. W. W. WILMORE, Denver, Col.

Mention The Review when you write.

Decoration Day ...Plants...

	Per 100
Rudbeckia Golden Glow, 3½-in. pots.....	\$4.00
Statice Armeria, Sea Pink, covered with buds, 3½-inch.....	8.00
Ageratum, white, 3½-inch, in bloom.....	8.00
Double Daisies, in full flower.....	1.00
Coleus, in variety, 2-inch, bright colors.....	1.50

CASH PLEASE.

EDWARD B. JACKSON,
STAMFORD, CONN.

Mention The Review when you write.

Sandusky Carnation, \$10.00 per 100.
75.00 per 1000.

GERANIUMS.

In bud and bloom.

Ready for market and bedding purposes.

Beaute Poitevine, Mrs. E. G. Hill,
Glorie de France, **La Favorite**, **Heteranthe**,
Mme. Bruant, and many others.

From 3 and 4-inch pots, \$5.00 and \$6.00 per 100.
Cash with order, please.

W. E. HALL, CLYDE, Ohio.

Mention The Review when you write.

ROSES. ROSES.

Strictly first class stock. Brides, Meteors, Maids and Perles. Strong 2½-in., \$3.00 per 100. **Kaiserin** \$4.00 per 100. **Beauty** \$5 per 100.

Our Rose plants are acknowledged to be the finest supplied to the trade. Place your order with us for immediate or future delivery if you want the choicest stock.

PETUNIAS, Dreer's latest set of double fringed, fine bushy plants, labeled, \$2 per 100, out of 2½-in. pots

VERBENAS, our challenge collection, 2-in. \$1.50 a 100

CUT CARNATIONS, long stems, all colors, \$1 a 100

SMILAX. Strong Bushy Seedlings, ready for delivered. This is the way to buy your Smilax and save a large expense in freight on pot plants. Can supply any quantity on short notice.

PANSIES. From cold frames. Big plants full of buds and blooms, the finest in the market. \$2 per 100. Terms strictly cash with order. Send for list.

SOUTH SIDE FLORAL CO., - Springfield, Ill.

Mention The Review when you write.

PEACOCK'S New Dahlias

For 1899—Best New Varieties.
Best Old Varieties.

Send for our New Illustrated Trade List before ordering elsewhere.

Peacock's Dahlias always received highest awards over all competitors. Forty-six first prizes out of forty-nine entries during past four years—an unequalled record.

Best New and Standard Carnations—

Beautifully illustrated and accurately described in our Trade List. Send for copy.

Surplus Stock of Mixed Dahlias—

At right price. Also Dahlias under color. Correspondence Solicited.

W. P. PEACOCK, - Atco, N. J.

Mention The Review when you write.

A PLEASANT VACATION TRIP.

From Chicago to Detroit via the Wabash Railroad; Detroit to Mackinac via D. & C. N. Co. steamer; Mackinac to Chicago via the new steel steamer "Manitou" all for \$9.45, exclusive of meals and berths. This is one of the many trips provided for Endeavorers who wish to attend the Y. P. S. C. E. Convention at Detroit in July. Send card for Wabash Official C. E. Folder telling all about it. F. A. Palmer, A. G. P. A., Wabash R. R., 97 Adams street, Chicago.

Do You Want Those New Houses You are Going to Build

Wind and water tight?

"Gasser's Zinc Joints" are the best thing in the market to make a perfect joint in butting glass.

Write for circular and mention this paper.

J. M. GASSER, Wholesale Grower Cut Flowers, CLEVELAND, O.

Chrysanthemums

Our collection of Novelties for '99 is very complete, including

INDEPENDENCE, the earliest white,
MRS. FRED L. BUTTON, the early white from California,
and **YELLOW IVORY**,
as well as all others.

Also a full line of **STANDARD VARIETIES**.

For description see our catalogue,
free on application.

NATHAN SMITH & SON,
ADRIAN, MICH.

Mention The Review when you write.

"NICOMITE"

(PATENT)

VAPOR INSECTICIDE.

No labor required.
Harmless to bloom and foliage.

A certain killer of

RED SPIDER, - GREEN FLY,
and all other Insect Pests.

**The Tobacco Warehousing
and Trading Company,**
LOUISVILLE, KY.

Mention The Review when you write.

Asparagus Plumosus Nanus.

	Per 100.
1000 Asparagus Plumosus Nanus, 4-in. pots,	\$15.00
1000 " " " " 5 " "	18.00
200 " " " " 7 " "	25.00
800 " " " " 8 " "	25.00

Asparagus Seed, home grown, \$1 per 100, \$9 per 1000
Write for prices on Carnation Cuttings.

W. F. Kasting, 481 Washington St. Buffalo, N.Y.

Mention The Review when you write.

VIOLETS - DAISIES - CARNATIONS

L. H. Campbell, California, strong rooted runners,
60c per 100, \$5 per 1000. **Princess of Wales, Swan-**
ley White, 75c per 100, \$7 per 1000. **La France**,
fine, \$1 per doz., \$5 per 100.

Wm. Scott, selected stock, rooted cuttings, \$1.25
per 100, \$10 per 1000.

The two Giant Daisies, **California Giant** and **Etoile**
de Lyon, a yellow giant, 3½-inch pots, strong, 75c per
doz., \$5 per 100. Cash with order, please.

P. M. DeWitt, Torrendale, Phila., Pa.
Mention The Review when you write.

GOLD FISH and AQUARIUM SUPPLIES.

KEENAN'S 6112 and 6114
SEED Wentworth Avenue,
STORE. CHICAGO
Mention The Review when you write.

New Geraniums, New Cannas, &c.

GERANIUMS Bruant's recent introductions. 10 Splendid new Doubles, the set for \$2.25. 3 Splendid New Singles, the set for 50 cents. 5 Splendid New Bruants, the set for 80 cents. 3 Splendid New Aureole Section, the set for 50 cents. Geraniums, Standard Varieties, \$3.00 per 100, \$20.00 per 1000.

CANNAS All the Best New and Standard Varieties. President Cleveland, best bright scarlet for massing, \$6.00 per 100. Duke of Marlborough, President McKinley, Robert Christie, \$10.00 per 100. Chicago, Souv. de Antoine Crozy and President Carnot, \$4.00 per 100. Mrs. Fairman Rogers, Queen Charlotte, Mad. Crozy, F. Vaughan and A. Bouvier, \$3.00 per 100, \$25.00 per 1000. Cannas, ou selection, all good standard varieties, \$2.00 per 100, \$15.00 per 1000.

ROSES Strong 2 year field grown Hybrid Perpetual in fine assortment, \$10.00 per 100; Moss in fine assortment, \$9.00 per 100; Climbing in assortment, \$5.00 per 100; Wichuriana (Memorial Rose), \$4.00 per 100. **Roses 2 1-2 inch pot plants**—300,000 2½ inch pot plants, Tea and Everblooming, in large assortment, \$2.50 per 100, \$20.00 per 1000. Hybrid Perpetual, 2½ inch pots, \$4.00 per 100, \$35.00 per 1000. Climbing, 2½ inch pots, \$3.50 per 100, \$30.00 per 1000. Clotilde Souper (Strong), \$3.00 per 100, \$25.00 per 1000. Mosella (Yellow Souper), \$3.00 per 100, \$25.00 per 1000.

EULALIAS strong clumps, Japonica Zebrina, Japonica Variegata and Gracilis Univilata, \$5.00 per 100.

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For full assortment of greenhouse stock write for Florists' Wholesale Price List No. 5. If in want of Ornamental or Fruit Trees, Shrubs, Vines, Small Fruits, etc., see our Nurseryman's Trade List, or write us for prices.

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We offer strong Rose Plants out of 2½-inch pots, as follows:

All plants sold under the condition that if not entirely satisfactory they are to be returned at once. No orders for less than 100 of one variety accepted.

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\$3.00 per 100; \$25 per 1000.

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WILLIAM SCOTT.

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It will cover the whole field of Commercial Floriculture, the articles arranged alphabetically, encyclopaedia style, so reference may be quick and easy. It will be a whole library in itself, and will tell you just what you want to know in just the way you want to be told. It will be the standard work of reference for the trade.

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FLORISTS' SUPPLIES.

Write for Price List.

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PHILADELPHIA.

Trade has been very slow the past week; very little doing. Had it not been for some little funeral work the florists could have closed up their stores.

Prices are way down—in fact, so low that it is scarcely worth while to quote them. Beauties bring from \$1 to \$3 per dozen; Meteors, Brides and Bridesmaids, from \$3 to \$5 per 100; Golden Gate, \$3 to \$5, with the very best bringing \$6 per 100. Carnations can be bought for 50 cents to \$1.50 per 100. Valley, \$3 to \$4 per 100. Sweet Peas, 50 cents to \$1 per 100. Lilac plenty and at your own price. There are a few Easter lilies, which sell at \$5 to \$6. A few red paeonies coming in, selling at sight at \$1 per dozen.

Notes.

The benefit given by the bowling club at the Chestnut Street theater is reported a great success, netting the club a nice little sum.

Visitors in town during the past week were Mr. Gerlach, of Begerow & Gerlach, Newark, N. J.; Mr. Giles, of Hosking & Giles, Reading, Pa., and Mr. J. Louis Loose, Washington, D. C. R.

DENVER, COLO.

Bowling games of May 3d resulted in the following scores:

	1.	2.	3.	4.	Av.
Chas. Mauff	141	186	201	177	177
A. E. Mauff	157	192	174	174	174
M. J. Taylor	159	136	135	201	158
Robt. Kurth	147	101	154	218	155
John Berry	166	136	135	170	152
Chas. Thless	170	126	142	146	146
John Ferris	156	126	119	158	140
Chas. Meyer	113	118	115		
Geo. Zimmer					
Chas. Franz					
Gilbert Scott					

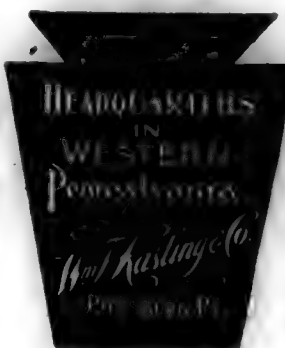
J. B.

SAN ANTONIO, TEXAS.—The annual flower carnival commemorative of the battle of San Jacinto, took place here April 21.

ELIZABETH, N. J.—H. E. Leahy's greenhouses adjoin the tracks of the Central Railroad and as a result of an accident on the railroad April 28 some of his houses were badly wrecked.

ROSES,
Carnations
VALLEY
FERNS,
GALAX, and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

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reputation
that
all orders
are
punctually
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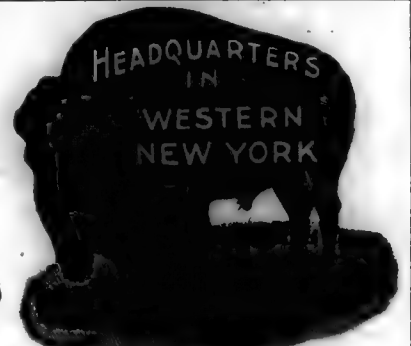
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6-in. pots, \$1.00 each; \$12.00 a dozen. Also larger
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Also a few white leaved plants at half price, for
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Minerva	Geo. W. Childs
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Bonnaffon	Modesto
Mrs. J. J. Glessner	Mrs. Murdock
Belle of Castlewood	J. G. Woodford

from 2½-in. pots, \$2.00 per 100; per 1000, \$15.00

Cabbage and Celery, in var., strong plants, 15c per
100, \$1.00 per 1000; \$3.50 per
10,000. If by mail add 10c per 100. Cash with order.

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EXTRA FANCY BEAUTIES.

GOOD BEAUTIES.

SHORT BEAUTIES.

VERY CHOICE KAISERIN, regular
Summer growth.

SELECT MAIDS and BRIDES.

METEORS and PERLES, good fair stock
and seconds, at prices to suit.

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WE HANDLE THE LARGEST LINE
OF HIGH GRADE FANCY AND
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SEASONABLE STOCK ALWAYS ON
HAND.VERY FINE VALLEY — BULBOUS
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NOW COMING IN DAILY.

Decorative.

LOCAL GROWN ASPARAGUS,
FINEST ADIANTUM, GOOD GALAX.COMMON FERNS, 40c per 100,
\$4.00 per 1000.

SMILAX — scarce.

We ship nothing knowingly but stock
that will carry and give satisfaction.Our Prices always the lowest
MARKET RATES
consistent with
quality of stock shipped.Store open from 7:00 A. M., until 6:30
P. M. Sundays and Holidays closed at noon.Bridesmaid excelled **MAID OF HONOR**, formerly called
MISS CLARA
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by this NEW ROSE.....Plants in 2½-inch pots NOW READY. Price — per 100, \$15.00; 50 at 100 rate.
per 1000, \$125.00; 250 at 1000 rate.

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Manager.

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Brides, Maids,

Meteors, Strong, Clean
Stock, ready
for planting.
3-in., \$ 6 per 100, \$30 per 1000
4-in., 10 " 90 "
500 at 1000 rate.

F. BURKI, Bellevue, Allegheny, Pa.

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beautiful just now. With all the long winter, vegetation is about as early as usual. The wild plum whitens the margin of our woods, in our city gardens and parks. The forsythia, Japan quince, Spiraea prunifolia and Judas tree gladden the eye with their yellow, red, white and lilac flowers. Autumn is a glorious time, calm and placid and all our woods and fields assume a golden ripeness, but spring is the time our hearts beat faster, and when we look upon trees in bloom or hear the meadow lark call to its mate we are glad we did not live in the past or were reserved for a future century. This is a good enough period of the world to live in and although "hope springs eternal in the human breast," the way to enjoy the world is to begin right now and the more you can get of the open fields the better for you in every way.

Changing the subject, is it not time that John Westcott, the patriarch of our pastimes and yet a sportive young colt, began to formulate some plans for the various contests that are to come off at Detroit? It is no use waiting till we all get to Detroit and then spoil a lot of time about rules and regulations. All that can be done a month previous, so that there will be no time lost in windy wind. I fully expect a great competition in all the sporting events and although severely eschewing frivolous dissipation, I most cordially back up our many sports. I would not give a cent for a learned professor if his nature was not largely impregnated with a love of sport. Mark Twain says: "Be good and you will be lonesome." That's rather a blue outlook, but you can be a lover of sport and be good I am sure.

W. S.

CARNATION PRIZE.

The Pennsylvania Horticultural Society has received from the American Rose Company, of Washington, D. C., \$50 to be awarded as a prize in February, 1900, to the exhibitor of the best seedling carnation plant purchased from said company before September 1, 1899.

WE MAY ADD to what we said last week about the new light pink carnation Genevieve Lord that it is an excellent keeper. Some of the blooms sent us were still in good condition last Friday morning, though they reached us the preceding Tuesday, and were probably cut the Sunday before that. This speaks well for the keeping qualities of the flowers, especially as from Tuesday to Friday they were exposed to the usual temperature of a heated dwelling.

SACRAMENTO, CAL. — A "Dewey Fete and Flower Carnival" was held here May 1. An immense number of flowers were used in the decorations and the parade.

SPECIAL LOW PRICES ON Large Flowering Clematis AND OTHER Climbers

WE have an immense stock of the following popular varieties, grand two and three-year-old stock in strong plants, in 5 and 6-inch pots which are certain to grow and will please your customers.....

Boskoop Seedling, extra large lavender.
Duchess of Edinburgh, double, pure white.
Gipsy Queen, fine rich purple.
Henryl, finest large single white.
Jackmanni, the most popular, rich royal purple.
Mme. Baron Veillard, light rose shaded lilac.

Mme. Van Houtte, pure white, extra fine.
Miss Bateman, white with chocolate anthers.
Standishi, light blue.
The Gem, deep lavender blue.
The President, bright bluish purple.

Price for any of the above, \$3.00 per dozen; \$25.00 per 100.

MISCELLANEOUS CLIMBERS.

Clematis Flammula , strong plants in 8-inch pots	\$1.00 per doz.; \$5.00 per 100
Ampelopsis Veitchii , 8-inch pots .....	.75 " 6.00 "
Aristolochia Sipho , extra heavy plants	4.00 " 30.00 "
Honeysuckles , strong 4-in. pots— Halleana , Evergreen and Var.	1.15 " 10.00 "
Wistaria Sinensis and Alba , strong	3.00 " 25.00 "

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

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3,000 FERNS for \$1. ONE DOLLAR is the cost of sufficient **FRESH FERN SPORES** saved at the **United States Exotic Nurseries**, to produce the above quantity of small Ferns for jardinières, fern dishes, etc. We furnish simple directions for the successful cultivation of Ferns from spores, when so requested. This package contains only the best varieties for the purpose named.

Collection of the 12 best varieties in commerce, each in a separate envelope, each package sufficient for 500 plants, \$5.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

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Dahlia Camelliæflora...

Illustrated in Florists' Review January 26, 1899, and in Florists' Exchange August 13, 1898.

Awarded by the American Institute of New York a Diploma on pot plants of Dahlia Camelliæflora and a First Class Certificate on Cut Flowers of the Dahlia Camelliæflora.

This variety is particularly good for Spring sales as pot plants and is an abundant bloomer, valuable for cut flowers, and does not exceed two feet in pots or in field. The blooms are bold, clean cut, pure white, with very full center. Good, strong plants out of 3½-in. pots, \$1.50 per doz.; \$10.00 per 100. Orders booked now and filled in rotation. Cash with order.

A. L. MILLER, Jamaica Ave., Brooklyn, N. Y.

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FINE POT PLANTS, \$2.50 per 100; \$20.00 per 1,000.

ROOTED CUTTINGS, 75c per 100; \$6 per 1,000; \$50 per 10,000

{ No Rust or Mildew.
 Packed Light and
 Satisfaction Guaranteed.

We are the Largest Growers of Verbenas in the Country. Our Plants cannot be surpassed.

Send for Circular.

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Gen. Maceo	ready now, 10.00
Glacier	" 10.00
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Gold Nugget	" 5.00
Argyle	" 5.00
Hvelina	" 4.00
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	100	1000
CHRYSANTHEMUMS.		
Frank Hardy, 5 inches.....	\$2.50	\$25.00
Modesto, Bonnaffon	2.50	25.00

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Harrison's White, Alaska, Meteor....	2.00

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Yellow Rambler, Pink Rambler.....	2.50	25.00
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All First-Class Stock.

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Read what some of our best growers say concerning it.

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Very truly yours, C. W. WARD.

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2,000 Feverfew, Little Gem, in bud, 4½-in..	10.00
2,000 Abutilons, mixed, 2½-in.....	2.00
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4,000 Velvet Plant, 2½-in.....	2.00
20,000 Smilax, strong, 2½-in.....	2.00
500 Fuchsias, mixed, 2½-in.....	2.00

	Per 100
1,000 Pelargoniums, The Queen, 4½-in.....	\$8.00
5,000 Iresines, red, 2½-in.....	2.00
4,000 " yellow, 2½-in.....	2.00
10,000 Coleus, 10 best bedders, 2½-in.....	2.00
10,000 Vinca, Lobelias and Smilax, from flats	1.00
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2,000 " Sandersonii, "	2.00
1,500 " Hybrida, "	2.00
5,000 " 20 named varieties, "	2.00
1,200 " 8-in. and 4-in., in 10 varieties..	4.00

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New Hybrid Carnation Vulcan A first-class, Summer Blooming
flowering variety, strong, erect grower, no stick needed. Well established plants
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ACALYPHA SANDERL	Size pot.	Per doz.	Per 100.
ASPARAGUS SPRENGERI.....	2½-inch	\$0.50	\$4.00
AGERATUM, PRINCESS PAULINE.....	2½ "	.50	4.00
BROWALLIA, NEW GIANT	2½ "	.50	4.00
CALLA, LITTLE GEM.....	3 "	1.00	7.00
PHYSALIS FRANCHETTI (Chinese Lantern Plant).....	3 "	.50	4.00
DEUTZIA LEMOINEI	2½ "		5.00
DRACÆNA INDIVISA, strong	4 "	2.00	
CLEMATIS, large flowering varieties, 2-year-old.....		3.00	20.00
CARNATION VICTOR, well-established plant	2½ "		3.00
CANNAS, standard varieties. Write for prices.			

C. EISELE, 11th and Jefferson Streets, PHILADELPHIA, PA.
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CARNATIONS. CHRYSANTHEMUMS.

New and Standard
Varieties.

Our Price List is teeming with new and good things. Send for it.
The stock we send out is a source of satisfaction to our customers and pride to ourselves.
Don't wait too long; some varieties are already very scarce.

H. Weber & Sons, - Oakland, Md.

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Burpee's Seeds Grow

CARNATION SEEDLINGS.

From Hand Fertilized, Winter Bloom-
ing Varieties.
100 plants for \$4.00, 25 plants at 100 rate.
Sent free by mail.

American Rose Company,
All Seeds Sold. Washington, D. C.

NORWAY MAPLES

And other Shade Trees,
\$20.00 to \$50.00 per 100.

Descriptive catalogue and wholesale price list
of ornamental nursery stock for all in the trade.

SAMUEL C. MOON, Morrisville, Bucks Co., Pa.
Mention the Review when you write.

THE BIG SIX CARNATIONS!

Mrs. Bratt, Gold Nugget, White Cloud,
\$5.00 per 100, \$40.00 per 1000.
Flora Hill, Daybreak and Jubilee,
\$2.00 per 100, \$15.00 per 1000.

Also 9 most promising varieties of '99, and
15 leading standard varieties.

GEO. HANCOCK & SON, Grand Haven, Mich.

ROOTED CUTTINGS Carnation Daybreak

\$12.00 per 1000; \$1.50 per 100.

PINKS ANNA BOLEYN,
\$7.50 per 1000; \$1.00 per 100.

CASH WITH ORDER.

C. SOLTAU & CO., 199 Grant Ave., Jersey City, N. J.
Mention The Review when you write.

LABOR-SAVING DEVICES.

Editor Florists' Review: I should be sorry for Mr. W. R. Shelmire to think that I intended to impugn his veracity in the slightest degree and considering that those who voted placed the fumigator third on the list I am quite willing to believe that the idea was original with him as far as his circle has reached. But all the same what I said before was perfectly true also. I also still adhere to my assertion that "no trade is so far behind in labor-saving devices as our trade" (I did not say the trade was "backward in adopting improved methods").

One has not to look far for the cause of this, viz.: Until the last 20 or 25 years want of incentive, a sentimental love of plants and flowers and a lack of that hard-heartedness which has no more consideration for them than a merchant has for a bale of goods. It seems to me, Mr. Editor, that a florist to be successful in these days must be a manufacturer of plants and flowers pure and simple and the man who can manufacture good stock the cheapest of course gets the trade. And it is in the plant factory where the dearth of labor saving devices, etc., compared with other factories is so patent to close observers. I was born in the profession, Mr. Editor, but it has not taken me a year in business for myself to learn this.

As Mr. Shelmire says, however, the records of the patent office will show that the trade is trying hard to get out of the slough, but the same record would also show how few of the devices patented have stood the test of practical use with florists as a body. There are automatic ventilators, etc., but what small or medium sized florist is able to afford them; there are boilers and boilers and boilers, but the really good ones are away up in G, and the first cost puts it out of reach. Certainly simple devices are what is wanted, but we must sweep the cobwebs of conventionality and prejudice from our minds better than we do before much progress will be made.

A. H. EWING.

RICHMOND, IND.—Last fall Beach & Chessman, the florists, gave to all children who called at their greenhouses young begonias, with the understanding that the child who on May 1 returned the best plant after the winter's cultivation would receive a prize of \$5. There was a spirited competition for the prize, which was recently awarded.

MILWAUKEE, WIS.—The conservatory in Mitchell Park is now about completed. The propagating houses now contain about 50,000 bedding plants, which will soon be set out in the park.

WINONA, MINN.—Fire did slight damage to the Kirchner greenhouses April 16.

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THE POSSIBILITIES OF THE CUT FLOWER BUSINESS.

[A paper by Mr. E. M. Wood of Natick, Mass., read before the New York Florists' Club, May 8, 1899.]

I have been asked to open the discussion at your club meeting tonight, of the possibilities of the cut flower business.

The success of the cut flower business is dependent upon many things being accomplished, among which I will mention a few.

1st. **Quality.** To obtain the best will require the painstaking observation and study of the specialist student, who, not only for his love for flowers, but by his undivided attention and devotion to the work of improving in quality and varieties.

He will study the best environment of the house for his favorite flower of which he makes a specialty. Its construction as best adapted for its wants. For the rose, there must be no shade to obstruct the north, as well as no shade to obstruct the south light. It is fatal to the best quality and largest product. Everything else being equal, then with unobstructed light, health, vigor, constitution and product, are maintained to a standard possible to attain. In one house of equal span upon my grounds, having two central beds 4 feet 8 inches to 4 feet 10 inches wide, the front bed produces three cut blooms of roses to one cut bloom in the rear bed. Both beds are upon the

same level, and both borders look equally healthy one with the other; the treatment in every way is identical. Still the crops from month to month show three to one. This leads me to consider whether or not with one border in a narrow house with unobstructed light (which the second border does more or less obstruct) as many roses can be produced as in both borders, with half the labor and material, and with improved quality. I simply speak of this incident as one of the many which the future is likely to develop.

Assuming that all the conditions, namely, well and properly constructed houses, correct environment, cleanliness within and without, unobstructed light, are obtained, then efforts should be directed to treatment to produce superior quality at the expense of quantity. It is my belief this has not been attained to its fullest extent.

Observation, study and experiment with light, composts and treatment will, as time proceeds add largely to the quantity of fine flowers at the expense of quantity of inferior flowers.

Having obtained the best quality of flowers and varieties, what are the possibilities of the cut flower business? Will the demand in the future be as great as in the past, and continue to grow? To this question, I would say yes.

Some critics have spoken in disparagement of the business of the cut flower trade, on account of the grow-

ing taste for pot plants in bloom, and the injury to the cut flower trade by the high prices charged Christmas.

In my judgment it is cause for encouragement that there is being developed a taste for pot plants in bloom. There will be no less sale for good cut flowers. They are always and will always be in demand. It is the worthless stock held for days, and even weeks by the growers, that has caused very largely the complaint, both by florists and consumer in the holiday season. If the grower delivers his stock to the florist day by day as he ought to do, at prices fixed for the season of winter, then all this cry of high prices will disappear. I find they charge quite high prices for apples today—(anything from five to ten cents apiece)—but if they do, I don't believe the people of New York will get vexed about it and live on leek and turnips the balance of their lives. There ought to be some method brought about whereby the prices of cut flowers should be fixed day by day, just as the price of cotton, wheat, oats and corn, pig lead, pig iron, linseed oil, turpentine, and many other products.

The leading growers of the different cities ought to be able to come together to devise a plan upon which this could be successfully done. To no one would it be of so great a benefit as the small growers. New York City will be a good place to begin it.

THE FLORISTS' REVIEW

G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

520-535 Caxton Building, Chicago,

334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/4 page, \$13.50; full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.

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FT. DODGE, IA.—P. L. Larson will soon build a new range of greenhouses at the corner of Central Ave. and Seventeenth St. There will be four houses of which two will be 22x125, one 18x100 and one 8x125. The office building will be 18x25. The buildings are to be completed by Aug. 1.

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CHATTANOOGA, TENN. — The "Flower Parade" on May 3 was a decided success. There was a long line of beautifully decorated floats and vehicles. Thirty-four thousand rhododendrons were used in decorating one float. Other leading flowers were snowballs, violets, clematis, daisies, lilies, roses and carnations.

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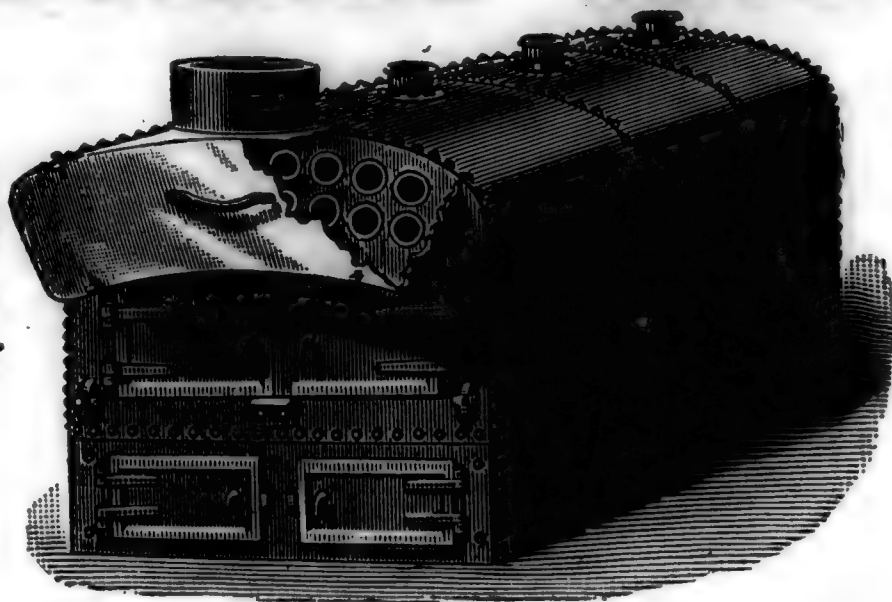
Gentlemen: In reply to yours of the 11th: So far we are perfectly satisfied with the boiler bought from you last summer. We are only heating about one-half the space that you say it will, so we have not given it a very severe test, but it has saved us at least 15 per cent of fuel over last winter. Our foreman says that the saving is near 20 per cent than 15, and he thinks that the saving will be even greater when the boiler is properly loaded.

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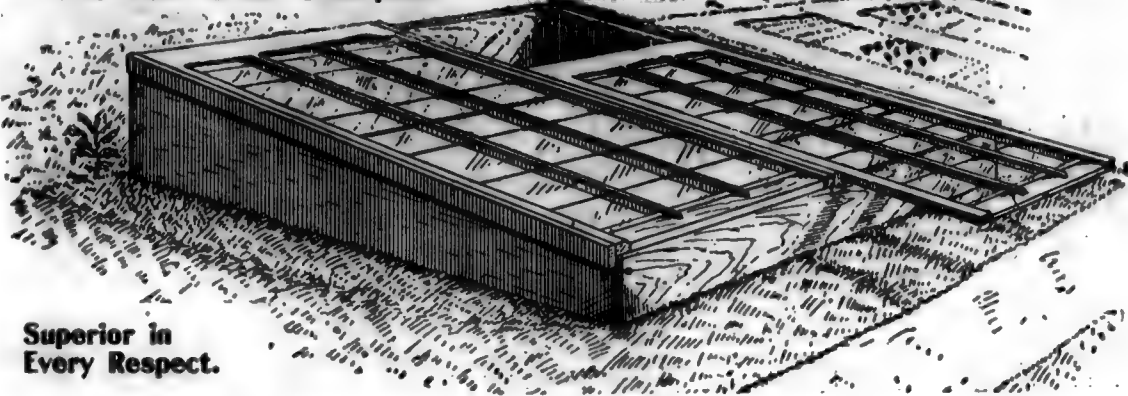
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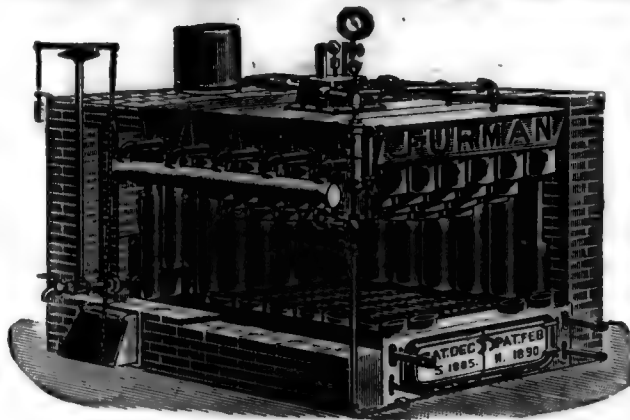
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THE WEEKLY FLORISTS REVIEW

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Vol. III.

CHICAGO AND NEW YORK, MAY 18, 1899.

No. 77.

PANAX VICTORIAE.

This prettily variegated plant is a relative of the Chinese Ginseng, though not a native of China, *P. Victoriae* having been discovered a few years ago on some of the South Pacific islands, and was, I think, among the introductions of Wm. Bull, a well known London grower.

It is a compact growing shrub, much branched and bearing leaves that are almost pinnate, the leaflets, more or

less divided and edged with a white variegation.

Though introduced under a specific name, it is stated by botanists that *P. Victoriae* is probably only a form of *P. fruticosum*, a species that seems to be quite variable, but this does not affect the fact that the plant in question is quite an attractive one when nicely grown, and one that may be sometimes used to advantage where a general collection of plants is handled for the retail trade.

One of the uses to which *P. Victoriae* may be put is in the filling of vases and veranda boxes for outdoor decoration during the summer, its feathery foliage giving a good effect among other plants, and the panax being fully as hardy as *Aralia Veitchii* or *A. Guilfoylei*, both of which are good plants for this purpose.

But in using this or any other member of the aralia family for outdoor work we should always take into consideration the fact that plants that have been grown in a close, warm house are tender, both in foliage and root, and consequently they should not only not be put outdoors too early in the season, but should also be hardened off to some extent by a gradual exposure. It is the spring chill that is most frequently responsible for failure of tender foliage plants when placed in the open garden, often causing them to drop their leaves and look generally miserable for more than half the season.

But to return to our subject, *P. Victoriae* is a very easy plant to manage and also quick in growth, and the most useful sizes for the purpose indicated are nice, stocky plants in 4 and 6-inch pots, and such plants may be grown on almost as readily as geraniums if given a rather light and rich soil and a temperature of 60 to 65 degrees during the winter nights, and also well supplied with light and moisture.

Propagation is readily effected by means of cuttings not only of the tops, but in common with most members of the aralia family short pieces of the stronger roots planted in sand or light soil and kept in a warm house will soon develop shoots, and may then be potted off either singly or several together in a pot, as may be best adapted for the purpose in view.

W. H. TAPLIN.

SHADING.

Geo. Wittbold, Chicago, is using burlap to shade his palm houses. Over



Panax Victoriae.

his main show house he has one big sheet of burlap containing 420 yards. The strips are sewed together on the place, the work being very rapidly done, and the big sheet of burlap tacked to strips that have been attached to the roof for the purpose. This allows a circulation of air between the shading and the roof. In the neighborhood of the ventilators the burlap is not tacked and they are readily opened, merely lifting the burlap a little at that point.

He finds this much more satisfactory and fully as economical as any other shading. The cost of applying a paint shading and removing it in the fall is quite as much, and white-wash needs too many renewals during the summer to be considered, to say nothing of the frequency with which plants are burned when the white-wash has been weakened in spots by rains.

He believes the burlap will last two seasons, but as he uses a great deal of it in packing, his present plan is to use it one season on the roof and then use it up in packing, starting with new burlap for shading next season. It will be fully as good for packing purposes, and in this way his shading really costs him nothing but the labor, for he would have to have the burlap any way.

CLEMATIS DISEASE.

The disease which has destroyed so many thousands of plants of the various forms of clematis in this country is equally destructive in its effects on the Continent, and the losses annually sustained have stimulated a spirit of inquiry in Germany, and as the result there has been a brisk discussion in the *Deutsche Gartner Zeitung*. In the course of this discussion Professor Dr. P. Sorauer, of Berlin, stated that, after studying the disease, insects or fungi are not the direct cause. Plants brought to him have sometimes shown injury from frost, but he states that too much nourishment, water, and at certain times heat, are the causes of the clematis disease, and recommends well-drained land, not too rich soil and partial shade as the proper remedy. He has come to this conclusion after having planted diseased plants under a birch tree, the soil being of a rich loam and having previously been prepared with a liberal amount of sand. The plants thus treated were never again troubled with the disease.

Messrs. Goos and Koeneman, in giving their experience, observe: The large, fleshy roots of the clematis have the power of absorbing large quantities of moisture. After heavy rains greater amounts of water are sent into the woody parts than they are able to take, thereby bursting the cells in such parts where the pressure becomes too great. Food distribution to the upper parts is sometimes continued for a short period, until the next outburst, when whole runners suddenly die off. They point out that if we look

to the natural home of *C. vitalba* and *C. viticella* it will be found on sloping land or among roots of large trees where ample drainage is provided, and if we give our clematis good drainage and rich soil to produce strong runners that will be able to take care of any over-production of sap, then there will be no cause for further trouble from this dreaded disease.

An Austrian cultivator states that among a number of clematis troubled with the disease one had been planted close to a grape vine, where it often received a wash and also an occasional watering with thick lime water, which seemingly gave the clematis new life and vigor. To the varieties especially subject to die-back, Lord Mayo, Billisire, Fair Rosamond, Henry and Otto Froebel, the new remedy was applied. The plants soon revived, and as a stimulant to the quite weak plants liquid manure was administered and the disease has not shown itself again. *Gardeners' Magazine*.

THE GLADIOLUS.

In preparing ground for planting the gladiolus the soil should be made fine and mellow to a considerable depth, plowing in the fall and again in the spring, if possible, sod being of course inadmissible. The ground should be well enriched and well drained. Never use fresh unfermented manure and never allow bulbs to come directly in contact with manure of any kind.

If the flowers are desired mainly for cutting, the bulbs may be planted in rows eighteen or twenty inches apart (or wider, if desired), placing the bulbs four to six inches apart in the row. A convenient way to do this is to make a furrow with a small hand-plow and place the bulbs in the bottom, not less than four inches deep, covering with the mellow soil. This method affords the most convenience in after cultivation. If the soil is heavy, fill the trenches with sand or sandy loam.

Planting should be done as early as the ground can be brought into good condition. With us this is usually the middle of May. A safe rule is to plant when ordinary farm crops are being planted. Water well during the development of the plants; harden off in time to make tough, fibrous growth by time buds appear; then water freely for bloom.

For succession and continuity of bloom it is well to make two or three successive plantings at intervals of a week or ten days, though usually there will be variation enough in season of bloom in the different bulbs of a good mixed collection if all are planted at one time, for early, medium and late varieties are included in such a collection.

Treatment after planting is simple, but neglect is no part of it. Weeds are to be absolutely kept down and the soil finely cultivated and stirred at least once a week until bloom appears, after which it will usually be

difficult to continue cultivation. At the last cultivation it is well to throw a little soil to the rows, hilling up a trifle, as this assists the plants to stand up during storms.

When the flower is fading it is beneficial to the plant and assures the growth of a stronger bulb to cut away the flower stalk just above the last leaf. This prevents the strength of the plant being expended in the production of seed, and induces an earlier and stronger growth of the secondary flower spikes, which are often nearly as fine as the first; and prolong the season of bloom usually till frost. Mr. Groff advises cutting the spikes when the first flower appears and blooming them in the house; this treatment is also beneficial to the bulb. To succeed, buy only the best sorts. Many of the common mixtures now on the market are trash and very dear at any price.

At the appearance of frost the bulbs should be dug and the tops cut away at once. After drying some time the roots may more easily be broken off, and the trimmed bulbs can then be stored for the winter. A very good way to keep them is to pack them in boxes with dry sand, but they can be kept in crates or baskets or open packages, so as to afford ventilation, and kept from freezing in a cool, dry cellar. Extremes of dampness and dryness are alike to be avoided. If the bulbs mould they are too damp; if they sprout, they are too damp and warm; if they shrivel, they are too dry. Freezing destroys them at once.

The Gladiolus from Seed.

Gladioli may be very easily grown from seed if one has the time and patience to await their development, which will require from two to three years. We sow our seed in cold-frames or in the open ground in early spring. The beds are four to six feet wide and as long as desired. Soil should be sand or sandy loam, well drained. Sow the seed in drills three-fourths to one inch deep. Keep soil well watered until plants are well developed. Withhold water late in the season to allow bulbs to mature. Dig before frost. Dry thoroughly and store over winter in a cool, dry place.

The bulbs will average in size from that of a pea to one inch or more in diameter the first season. The second year many of them will bloom, and the third year all should produce fine flowers.

FRANK BANNING.

Kinsman, O.

A FORMAL FLOWER GARDEN.

The accompanying engraving is from a photograph of a formal flower garden laid out by John F. Marsden, landscape gardener and florist for Mrs. John E. Cowdin, at "Wave Crest," her residence at Far Rockaway, Long Island. The photograph was taken from the terrace in front of the residence, four feet above the level of the lawn and the garden.



A Formal Flower Garden at Wave Crest, Far Rockaway, Long Island.

The garden is enclosed by a privet hedge three feet high. The arches are also of privet and it is again seen in the rounded specimens in the foreground. The privet arches are twelve feet high and wide, formed of two large specimens. The edges of the beds in the garden are also of privet, kept trimmed down to a height of only four inches. It is a remarkable illustration of the adaptability of the privet to take most any form desired by the skillful gardener. The walks in the garden are of hard brick.

One of the beds is planted with *Gardenia Fortunei*, another with *Mme. Bruant* heliotrope, others with geraniums *Mme. Joulin*, *Gertrude Pierson*, *Gettysburg*, *La Favorite* and *Mme. Bruant*. The outside beds are planted with roses, two with *President Carnot* and two with *Kaiserin Augusta Victoria*. The wire arch in the foreground is to be covered with *Marechal Niel*.

At the back, beyond the garden, is seen a group of Norway maples, with seats arranged under their shade.

The entire grounds are surrounded by one of the finest privet hedges on Long Island. There is some 1,800 feet of it, eight feet high, and all in splen-

did condition. This hedge was planted some eight years ago by Mr. Marsden. It is trimmed once a week during the summer season. R.

NARCISSUS VICTORIA.

After three years of trial this charming new narcissus has proved to be of great value, being extremely well adapted for early forcing. It is a well-known fact that the *Narcissus bicolor* forms, to which *N. Victoria* belongs, do not force quite as readily as the yellow trumpets, such as *Henry Irving*, *Ard Righ*, *Spurius*, *coronatus*, etc. To give them a good trial I potted the former, also *N. Empress*, *N. Horsfieldi*, and *N. Victoria*, early last autumn plunged them in the open, and on about the 15th of January they were all brought into the greenhouse. *N. Henry Irving* and other early yellow trumpets flowered in about eighteen days with from 45 to 55 degrees. *N. Victoria* was the next to bloom with about three weeks, while the other kinds of *N. bicolor* required four weeks. While *N. Victoria* had well developed perfect blooms, those of *Horsfieldi* and *Empress* were not quite as good in form. There is no doubt that when *N. Victoria* is more plentiful—

which will not be long, for I have no doubt that in another five or six years' time the price of the bulbs, forcing size, will be as low as those of *N. Emperor* is at the present time—it will be used by market growers.

Narcissus bicolor Victoria is no doubt an accidental cross between one of the bicolors—probably *N. bicolor grandis* (*Grandee*)—and the early flowering *Narcissus varifloris*. The bulbs resemble those of *N. bicolor grandis*, the foliage is broad, glaucous green, and stronger than even that of *N. Emperor*. The flower resembles again, as far as shape is concerned, that of the late-flowering *N. bicolor grandis*, but differs in the large size, the beautifully frilled bright yellow trumpet and very broad segments, which are not of quite the same whiteness of color, although the latter fault, if any, is not so apparent when the flowers are grown under glass. The exterior is yellowish and sometimes green, as in *N. varifloris*. It is better adapted for pot culture than any other trumpet narcissus, and at the same time is a most vigorous, free-flowering kind for out-of-door culture, especially suited to the western and southern parts of England, as the

milder climate no doubt improves the coloring.

As I have never seen anything mentioned of its somewhat obscure origin, I might mention that N. Victoria is of Dutch descent. In 1883 a collection of seedling narcissi raised by the late Mr. Veen, of Haarlem, were sold by auction, and a small lot of this variety, consisting of two or three bulbs only, and others were bought by the firm of P. Vos & Co., of Sassenheim. On account of its rapid propagation

N. Victoria soon increased, forming a considerable stock. This firm, however, was obliged to part with some of its stock as early as 1896, and the variety was the same year introduced into this country by Mr. T. S. Ware, of Tottenham, and Messrs. Barr & Sons, Covent Garden, and has since been distributed by them. N. Victoria, having received everywhere the highest honors, it has become a general favorite.—G. Reuthe, in *Gardeners' Magazine*.

Bridgeman's, or rather Moulton's, contains about a dozen vases of miscellaneous flowers.

This has been the condition of the Broadway windows for the past two weeks. Very rarely made up designs are shown. The stores are always clean and bright and brilliantly lighted at night, but in very few of them are the occupants even commonly civil to trade visitors (which many of you already know) and it's not that they are any better than the men on the Bowery, no, my friends, it's their ignorance or arrogance, whichever you wish to style it.

Funeral Designs.

Last week we discussed weddings, this time by way of variety we will deal with funeral designs. There have been some very prominent funerals in New York lately and the flowers sent were calculated to represent the art and wealth of this city. Well, we know tremendous prices were paid for some of the designs, and some of the pieces were pretty.

Thorley had charge of the flowers at the funeral of the late Mrs. W. C. Whitney, wife of the ex-Secretary of the Navy. The funeral took place at the Cathedral, Garden City, L. I., on May 9th. Interment was at Douglaston, L. I. There were no decorations at the Cathedral other than those of arranging the designs sent, excepting that the casket rested between two groups of tall kentias, which were placed in the chancel. The casket was completely hidden beneath a casket cover made of several hundred Cattleya Mossiae, which were solidly arranged facing upwards on top; the outer edge of the cover was a fringe of lily of the valley. Several small wreaths made of one variety of flower were suspended at the sides of the casket; these represented the different members of the family. The cover was a little too large, otherwise it was well done. There was nothing new in the designs sent. One large standing cross made of brown galax leaves and Lillium Harrisii would have been all right if the moss had not shown through the galax. Another large flat cross was made of apple blossoms which faded very quickly.

Large flat bunches of American Beauty roses were plentiful; one of them was tied with streamers of pea green gauze ribbon, which was very bad taste. One wreath was composed of mixed colored pansies, a cluster of yellow corn flowers (*Centaurea Macrocephala*) being placed at the bottom of the wreath; it was a bad arrangement; the corn flowers were too brilliant for funeral work. Just imagine that wreath made over again by putting the pansies on fine wire so they would face up; then green the wreath well, get all the dark pansies together, then the white, then the yellow, afterwards the bronze, or try a wreath of exclusively dark pansies with a cluster of valley; but the wreath must be well rounded. Another wreath was made



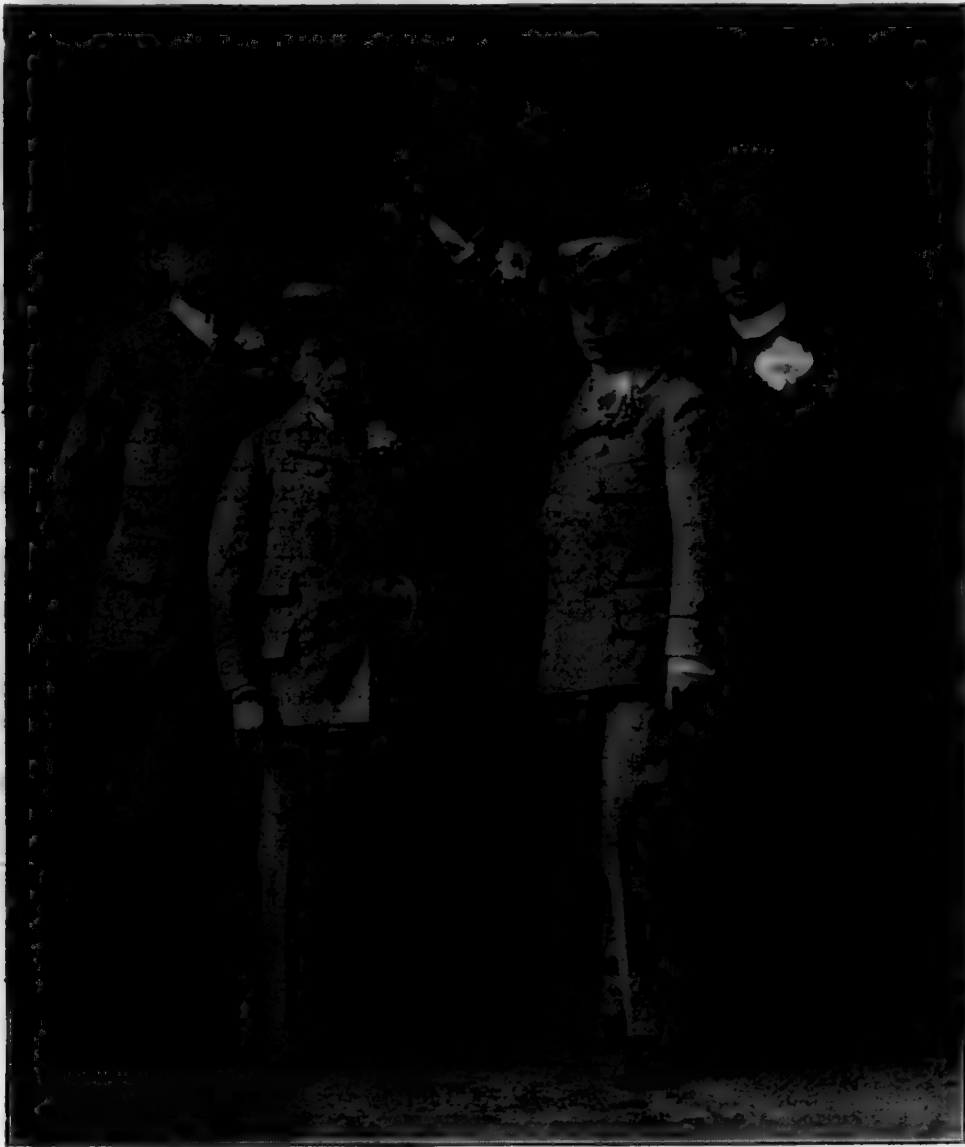
Window Decorations.

We have often been requested to describe the "Broadway windows," and wishing to oblige we have carefully studied these windows for the past two weeks, and we must frankly inform you that with a few exceptions you could find just as good or better displays in some small western city. Of course this is not always the case, for when flowers are most expensive that is the time the Broadway florists shine. For some reason or other, at this time of the year when all kinds of material are ridiculously cheap, they seem to be indifferent, and consequently very slovenly window displays are the rule. Don't adopt this fashion if your name's above the door; keep the window clean and pretty, even though you're but a village florist.

But let us describe these windows. Between 19th and 34th streets is the florists' district on Broadway, New York, and there are nine of them located there. Butler's window is usually a mixed window, young salable pot plants and vases of cut flowers intermixed. Brower's window most of the time is filled with small vases of old fashioned flowers, and whatever floral novelties are to be got on the market. Fleischman is spectacular, eccentric, artistic or nothing; he is making a specialty of dwarf Japanese trees. In one of his windows is shown one of the prettiest arrangements to be seen on Broadway; it is a number of small enamel finger vases arranged in pyramid form on a delicate bronzed wire stand; the vases are filled with Cattleya Mossiae, sometimes anthuriums or a collection of orchids, but it is always

pretty. Still something behind it that not alone kills the effect but demoralizes everything about the beautiful store, is a vase of artificial carnations supposed to imitate, caricature, or something, the "Lawson" carnation. But Fleischman's artificial carnations are the size of paeonies and you will agree with me that when a man cannot find natural flowers good enough for him or his trade then he ought to go into the artificial business. But the "Lawson" carnation is responsible for lots of things; perhaps this is the worst.

Small's windows are sometimes pretty. The bottoms are green tiled and it requires very little to make an effective window. One of these windows just now is occupied with a circular mound of *Adiantum cuneatum* and very beautiful it looks. The other window is filled with special carnations or parrot tulips; these, however, are arranged scatteringly and we think much of their beauty is lost. Thorley's large window is filled with fine kentias, a row of hydrangeas or other flowering plants run along the bottom. The small windows, the ones he first started with, contain one or two vases of Beauties or spring blossoms, nothing special. Warendorf has a mixed window; wreaths of red immortelles hang on the side mirror, a monkey made of *Davallia bullata* is suspended in the center of the window. Here also the artificial "Lawson" carnation can sometimes be seen. The window is mostly filled with mixed vases of flowers and small pot plants. Scallen usually shows very fine flowers, which are arranged in hanging vases. One of his windows is filled with plants.



Driver and Messengers for H. H. Battles, Philadelphia.

of cattleyas, another of cattleyas, *Odontoglossum crispum* and *Cypripedium Lawrenceanum*. Wreaths of sweet peas looked very pretty. One was entirely of moss roses. Wreaths were in the majority and every color was there.

The grave was lined with hemlock and spring flowers, the sand being also covered with greens and the entire plot was surrounded by a 4½-foot screen of greens and flowers. An avenue of groups of Florida palm leaves extended from the church to the grave. This part was very effective, as it tended to alleviate the sadness of parting at the grave, by covering up soil and enclosing the grave with flowers.

Funeral services over the remains of the late ex-Gov. Flower were held in St. Thomas' church, 53rd street and Fifth avenue, New York, Monday, May 15. A great number of flowers were used. Hodgson had charge of the family order (that always means to take charge of all the flowers). There were no decorations in the church other than that several large vases of lilies were placed on the altar. The casket was partially covered with dark pansies and lily of the valley, with garlands of white carnations looped at the sides. This was not so pretty as the cover used on Mrs. Whitney's casket. There were a great many more flowers

at this funeral than at the one described above. Some seventy large designs surrounded the casket at the church, and there were a great many cut flowers sent to the house which were left behind.

These designs represented every grade of florist in New York. The East side politician, the Wall street banker, the Grand street florist and the Broadway artist contributed their quota to the galaxy, and yet to average the effect and quality of the work, they were very beautiful; no finer work could be seen anywhere. The immense wreaths of cattleyas were grand! Then there were about twelve great standing wreaths of white lilac and cattleyas with very broad cattleya ribbon at the side. Some were made of all white lilac and Bride roses. One of the broken columns was very handsomely made; the column was solid white carnations, crimson on top, then half way down the column was a thin wreath of bougainvillea. There were many fine loose bunches of cattleyas, but the ribbons did not match and spoiled the effect. Lots of cycas leaves had bunches of orchids on them, but somehow they did not come up to the other bunches; cycas are too stiff for orchids; areca or cocos would be better.

Of course there were the "crazy" designs, too. Wreaths and pillows of

roses were there made as flat as a pancake, galax crosses and wreaths as skimpy as poverty. One bunch of about seventy-five American Beauties was tied in a mass, all level at the top and as tight as a bunch of radishes. Another lot of Beauties was tied on a five-foot stick; it was a poor job. One thing should be remembered when making up designs like crosses and columns—their shape should be recognizable when made up; a few flowers indiscriminately stuck among greens at a time when all stock is cheap, is not excusable, and then again if you could only see your work at the church or cemetery after it has been handled you are apt to see more moss than anything else; better to make your designs small and beautiful than large and ugly. We noticed that some of the cycas designs had strings of valley tied all the way up the center of the leaves; such a thing takes all the meaning or sentiment out of the design. If flowers are attached to palms they should be confined to the bottom.

One thing is very noticeable at all the great funerals held here lately; there has been an almost total absence of the clumsy designs we were familiar with years ago. Now it is all mostly wreaths, flat or standing, or loose bunches; even pillows are discarded, and lettering is a thing of the past. Crosses are used hesitatingly because many think they are only appropriate for Catholics. This is very funny, when every church upholds it. However, the designs most popular now are the most artistic. We find fault with some of them because they are either too poorly made or have too many colors, and many of the ribbons seen on designs nowadays are enough to wake the dead. IVERA.

UNIFORMED MESSENGERS.

The proper delivery of flowers to customers is as important as good flowers, an up-to-date store and a handsome delivery wagon. The people who are liberal buyers of flowers have sensibilities that are easily hurt by incongruities, and a slovenly deliveryman or messenger has no place in connection with the stock handled by a florist.

A plain but neat uniform of fine material, such as seen in the illustration, is as near right as one can get. The only distinguishing badge is the name "Battles" in open work silver on the cap. It is the same lettering that appears on the boxes and labels and has the value and familiarity of a trade mark.

Eschew the gold bedecked uniforms adopted by some of the extremists. They are out of place in connection with flowers (or anything else for that matter), and are certainly not in good taste. Have your messengers attired neatly and uniformly, but not obtrusively. And make sure that their deportment is in harmony with their uniforms. Many a good customer has been lost by an unwise or uneducated messenger.

What has been said above as to gold bedecked uniforms applies with equal force to your store and your delivery wagon.

Have them as rich and handsome as you can afford, but avoid what might be termed "gorgeousness." Too many mirrors and too much gilt is as offensive to people of refined tastes as slovenliness. It is better to err on the side of simplicity than in the other direction. A prominent factor in the success of a retail florist must always be his good taste. Let this be shown in the fittings of your store and your delivery service as well as in your decorations.

NEW YORK.

The country around New York City at present is simply magnificent. Everywhere one goes the meadows are covered with wild violets, and woodlands abound with wild cherry and dogwood, and the orchards are grand masses of sweetest blossoms, telling us there will be an abundance of fruit this year if frost will only keep away, and the chances are it will. The general run of crops are a little backward on account of dry weather, but the indications are for an unprecedented crop of strawberries. We have some very old gardens in our suburbs and lovely ones they are, too. What is grander than an old magnolia bending 'neath its weight of honeyed cups, or the pink plumes of an old *Prunus triloba*, a cloud of rosy magenta blossoms of the Judas tree, and the large variety of early flowers to be seen just at present!

Ah, when one goes out into the country and sees nature wearing her most sublime mantle, he hates to remember the city with its mountains of troubles and discontent, the heaps of unappreciated flowers that lie in the iceboxes, the scheming wholesalers, the distracted retailers, the exuberant Greeks, the indifferent public, anything and everything that goes to make up this florist business of ours. How nice it would be if we could put our stock up on the shelf and wait, or go out and drag the public in and compel them to buy. Even then is it possible we would all be satisfied?

We see that Chicago has driven the Greeks off her streets. Splendid Chicago, from the retailers' standpoint. But the wholesaler loves the wily Greek just now, and would hate to see him go back to an Hellenic climate.

Outdoor flowers are commencing to come in. Narcissus, frame valley and such stock are abundant. Don't mention roses; most of them are of that washed out appearance in which they almost lose their identity.

Many of the leading florists have been busy on funeral work; there's lots of money in "such a business" now, if it could or would only keep up.

Wm. Plumb, president of the New York Florists' Club, returned from Europe by the steamship *Campania* on Saturday, May 13, looking extra fine.

Anton Schultheis, College Point, L. I., who is one of our most extensive and best erica growers, sails for Europe on Saturday, May 20.

J. M. Hodges has moved into his new store, corner of 56th street and Fifth avenue. This will be one of the finest florists' stores on the avenue.

E. C. Horan has at last got around the corner into a larger store at 47 West 28th street. Now if we could only have a glass roof put across 28th street what a splendid market it would make. The Chinese restaurant and the Greek Arcadia, yes, even Jake's and the Black Cat, could be transformed to suit the growers and slow buyers from Philadelphia and Boston. We have nine wholesale houses in 28th street now, and we cannot see why the 23rd street and side alley element don't come up and make the 28th street boys more contented.

The directors of the Cut Flower Exchange (which is our only cut flower market in New York, and is held at the East 34th street ferry), held a meeting on Saturday, May 13th. Five new trustees were elected. Wm. H. Siebrecht, president, re-elected; Victor Dorval, Philip Miller, Fritz Kessler and Geo. Goldsner. A. S. Burns, who had one year more to serve, resigned in favor of August Schraeder. The remaining trustees are Donaldson, Duncan, Smith, Johnson, Schultheis, Matthews and Clarke. Wm. Duncan, Long Island City, was elected treasurer, and John Donaldson, of Newtown, L. I., as secretary. A dividend of 10 per cent. was declared. The lease of the market runs for three years more.

The New York Gardeners' Society held their regular monthly meeting at 64 Madison avenue, Saturday evening, May 13. Mr. James Scott read an interesting paper on azaleas. A specimen of double lily of the valley was shown by Mr. J. W. Withers.

The society will hold a strawberry show at the above address on Saturday evening, June 10th. Messrs. W. E. Marshall, J. W. Withers, W. Bartholomae and J. I. Donlan were appointed a committee of arrangements. As this will be the last meeting of this society for the season, the committee were instructed to provide materials for a good old-fashioned potting shed smoke and sociable time in general.

Don't forget Monday, May 22nd, will be a special ladies' night at the New York Florists' Club. Prof. Elson, of Boston, will tell you what the wild waves say in his "Songs of the Sea."

Andrew Tierney died here May 12th, aged 55 years. He came from County Meath, Ireland, thirty-five years ago, and first made his appearance in the flower business in 1886. His humble part it was to please everybody who had flowers to ship by express, and it can be truly said that no wagon in the world ever carried as many flowers as Tierney's. He and his horse and wagon were one of the most picturesque landmarks, so to speak, of our busi-

ness here. Every day in the year he carted over the great bridge Brooklyn's supply of cut flowers. But it was not only as the florists' expressman that the trade knew Tierney. Everybody loved him for his honesty. His great big heart made him everyone's friend. Many a bright ray his wit and pleasantries threw into the gloom of dull markets. The grasp of his hand was an inspiring installment of hope and courage.

The doctors said he died from cancer. The trade believes a broken heart killed him, for some time ago a considerable sum of money was stolen from him in one of the wholesale houses. He never recovered the money nor his ambition since then, but faded away and finally died. Heavy indeed must be the conscience of those responsible for his death. He leaves four orphans, three girls and a boy, who will continue the business. The principal wholesale florists remembered the many services he rendered them by sending many beautiful floral designs. John Weir, Brooklyn, sent a large pillow of pink and white roses, also an immense standing wreath of Bridesmaid roses; Thos. Young, a 5-foot standing cross of white and pink roses; Traendly & Schenck, a handsome flat bunch of lilies and roses; John Young, a fine standing cross of solid white roses, with cluster of Jacques and valley at the base; J. K. Allen, a flat cross of lilies and spring flowers; Millang Bros., standing cross of mixed flowers; Chas. Millang, a pretty wreath of lilies and Bridesmaids; Jas. Hart, wreath of white roses, and John I. Raynor, a choice bunch of callas and white roses. It would appear that every florist in 28th street devoted Sunday to remembering Tierney, and the splendid designs they sent would do credit to any retail store in the city.

Bowlers were scarce at the alleys May 15th. Following are the scores:

Burns	165	141	146	136
Schenck	137	131	174	162
Traendly	156	173	150	153
Hafner	124	133	158	145
Donlan	...	...	118	132

IVERA.

BOSTON.

Review of the Market.

This week has been a record breaker as a dull week in the flower trade; stocks of all kinds are almost unquotable, no demand for anything, with perhaps the exception of sweet peas, which are not over plentiful. With other stock it is a case of "Jew"—set price high, then come down and sell at the first offer. Roses are deteriorating in quality, more especially Brides and Maids, and are sold all the way from 25 cents to \$1 per dozen. There are a few Kaiserins showing, but not yet up to quality, \$8 per 100 is the asking price; Beauties are plenty, quality good, ranging from \$2 per 100 to \$3 per dozen. Elliott is showing some fine Jacks, which average \$1.50 to \$2 per

dozen. Meteors from 2 to 6 cents. Carnations are very sticky, the bottom being completely knocked out of the market; sales are made daily at from 50 cents to \$2 per 100; a few strictly fancy will do a little better. Bulb stock from outside about \$2 per 100; valley, \$2 and \$3 per 100; lilies, \$1 per dozen; sweet peas, \$1 per 100.

Among the Plantmen.

This week has shown a decided improvement in the plant trade and most all growers seem satisfied with the outlook. At the market the usual number of teams are lined up in the space set aside for them, and the show of highly colored flowering and foliage plants is quite attractive, and the prospect is there will be a cleaning out of all salable stuff. At McCarthy's an elegant lot of geraniums from Clapp's and Saunders' have been bringing from \$8 to \$16 per 100, while Clark's and Mann's pansies are in great demand at 3 and 4 cents. Other stock is bringing reasonable prices and does not require much urging to sell them.

The News.

A new firm, Robison & Day, have opened a stand for the sale of the various kinds of hardy stuff which are indispensable to the retail trade. Their address is 36 Court street.

The seedsmen report an exceedingly good business, but rather backward owing to the late spring.

The show of tulips and hyacinths in the public gardens has been exceedingly fine and has attracted visitors from all the surrounding towns.

E. Dailedouze, of New York, and Robt. Craig, of Philadelphia, have been visitors this week. P.

CHICAGO.

The Market.

There is little change from last week in market conditions, which are very fair for the season of the year. On Tuesday the market was materially hurt by the rain and heat and a fear that the Wednesday supply would be large. There has been no appreciable change in prices except in the case of longiflorum lilies, good lilies being now held at \$7 to \$8 a hundred and selling freely at those rates.

Out door flowers cut but little figure in the market this year. There is practically no outdoor valley, the flower buds seeming to have been universally winter killed, and in some places the plants are gone too.

The shipping trade holds up very well. Bassett & Washburn report an unusually good shipping business and say that good Beauties are in extra good demand.

The outlook for Decoration Day trade seems excellent. The shortage in outdoor flowers will undoubtedly cause a demand for all the stock that can be placed on the market.

Various Items.

"Bedding Plants" will be the subject for discussion at the meeting of the Florists' Club tomorrow (Friday) evening.

Mr. G. H. Pieser, bookkeeper at Kennicott Bros. Co., left on Wednesday with his mother for West Baden, Ind. He will return about the 27th.

A. L. Vaughan is receiving congratulations over the advent of a brunette young lady weighing 10 lbs. She arrived last Friday and all are doing nicely.

F. Stielow is rebuilding the remainder of his houses at Nile Center. Some of the houses have had the glass off several weeks but the roses have shown no mildew, while the color of the Maids has been so deepened that they look like another rose. The Brides also have colored, altogether too much so.

Mr. G. Swenson, of Elmhurst, has a few square feet of outdoor valley in fine bloom. Last fall he piled up a stack of sashes over part of a bed for lack of a better place and the space so protected has a fine crop of flowers though the rest of his valley has nothing but leaves, the flower buds having all been winter killed.

Klehm Bros. say the damage at their place will not be so great as was at first feared. They believe that the paeonies will all start again from the lower roots. The lily of the valley being grown for forcing was uninjured. It had been protected by a heavy mulch of manure put on in the fall after the first hard frost. They believe the damage was due largely to the winter rains and the subsequent freezing and thawing in February.

Mr. J. A. Pettigrew, formerly superintendent of Lincoln Park, and now superintendent of parks, Boston, Mass., was a welcome visitor this week.

Mr. George Stollery welcomed a baby son to his home a few weeks ago.

Bowling.

The series of handicap prize games was started at Mussey's alleys last Friday evening. Following are the scores and averages for the evening:

	1st.	2d.	3d.	4th.	Tot.	Av.
F. Stollery	150	202	164	...	516	172
Geo. Asmus	175	134	129	133	571	142
G. L. Grant	152	135	156	127	570	142
G. Stollery	120	167	132	...	419	139
Jno. Zeck	111	137	154	143	545	136
Jno. Degnan	118	118	114	165	515	128
W. Kreitling	104	114	167	...	385	128
A. Henderson	147	147	110	105	509	127
Chas. Hunt	152	120	137	88	497	124

ST. LOUIS.

Club Meeting.

The regular monthly meeting of the Florists' Club was held Thursday, May 11, and was called to order by President Sanders. Owing to the busy season the meeting was poorly attended and it was 4:30 p. m. before the meeting was called to order.

The chairman of the exhibition

committee reported that everything was progressing favorably; that the special prizes to date amounted to \$1,500 and the indications are that this year's show will surpass the last one in every way. The committee on World's Fair reported progress. On motion of chairman Kunz the club subscribed for 50 shares of stock, one for each member.

The treasurer of the Thomas Carroll fund reported that he had on hand \$71.75, which was turned over to Mr. Carroll, who was present at the meeting. Mr. Carroll wishes to thank all the florists, through The Review, who were so kind to him in his hour of need. The meeting then adjourned until June 8, at 3 p. m.

The Market.

The past week has been a very dull one with most of the florists.

Second grade stock is plentiful, while choice stock of all kinds is scarce. Choice roses sell as high as \$5 and \$6; seconds in Maids, Brides, Meteors and Perles can be bought for \$1 and \$1.50 per 100, and plenty of them; in 1,000 lots even cheaper. Carnations are still a great glut, selling at 50 cents and \$1 per 100; fancies bring \$1.50 and \$2. Sweet Peas are better and more of them, the price is still 75 cents per 100; valley scarce and in demand; Harrisii and callas, 4 and 6 cents each and plenty of them; other bulb stuff is out of the market; smilax, \$18 and very good.

Plant sales are still reported good and all the stands are crowded with all kinds of blooming stock.

Various Notes.

Visitors in town last week were Jos. Heintl, Jacksonville, Ill.; S. S. Brenne-man, Webb City, Mo., and Edgar Osborn, Danville, Ill.

Louis Roth, florist and landscape gardener, of 21 S. 6th street, has moved to 1903 No. 10th street. Mr. Roth will build a few houses this summer, in the western part of the city.

The flower beds and lawns in the parks present a most attractive appearance and too much praise cannot be said of "Billy" Pape, under whose care the beautifying of the public parks is going on.

Riessen Floral Co. have been very busy of late, having the Mermod-Jac-card Co.'s opening and a large banquet at the Southern Hotel. Mrs. Burchel, who has been sick for a few days, has fully recovered. Mr. Andrew Meyer, who is still in the hospital, is somewhat better.

Frank Fillmore had a visit from burglars, one night last week, losing household articles valued at \$50. Frank woke up too late to catch the intruders. Ellison and Tesson had a narrow escape from being robbed one morning last week. Arthur Ellison returning, unexpectedly, to the store about 1 a. m., found that burglars had drilled three holes in the safe, which con-

tained, so Arthur says, \$1,000, and his mother's valuable diamond ring.

The tenth annual banquet, of the Board of Trustees of the Missouri Botanical Garden, was held Saturday night at the St. Nicholas Hotel. Many distinguished men from this and other cities were among the guests. The following speakers addressed the guests upon the subjects mentioned: C. W. Dabney, Jr., President of the University of Tennessee: "The Duty of the Endowment of Science." J. H. Finley, President of Knox College, Galesburg, Ill.: "The Country and the Town." Professor J. M. Coulter, University of Chicago: "The Progress of Science."

The menu was very elaborate and the decorations fine.

Wild Flower Exhibition.

The wild flower exhibition under the auspices of the Englemann Botanical Club was held in the Board of Education building. There were in the exhibition 258 different varieties of wild flowers representing every specimen indigenous to this latitude which bloom this early in the season. Crowds poured into the exhibition from noon until 9 p. m. The greatest interest was manifested by the school teachers and school children, who attended with a view of acquiring as much botanical knowledge as possible from the exhibit.

Bowling.

At the bowling club, Monday night, only four members rolled. The weather was hot and many stayed away. The large electric fans overhead made things very pleasant for us. The rolling was very poor; our best bowler, Charlie Kuehn, was out of form. The highest average in the six games rolled was 142; very poor, indeed, for champion bowlers. The scores were as follows:

	1	2	3	4	5	6	T	1 Av.
J. W. Kunz	136	155	148	138	147	130	854	142
J. J. Beneke	106	103	140	139	169	160	822	137
John Young	136	157	130	128	128	140	819	136
C. A. Kuehn	104	120	149	125	155	130	783	130

J. J. B.

BUFFALO.

For May business is rather quiet, but the much cooler weather of the past ten days shortened up the supply of carnations and roses and for the past week there have been no bargain days for them. Lilac will be all over by Decoration Day; that shows how things have jumped along. Where decorations are asked for, the prospective patron "thinks snowballs make such a delightful decoration." Perhaps they do, but there is not much in it for the florist. There will be a grand lot of Japan longiflorum in flower for Decoration Day. I hope they will all be wanted.

The plant men are all busy and their inning will come soon. Buffalo is celebrated for its zonale geraniums. Some of the drummers tell us they see no such plants elsewhere, and contrary to many of their other utterances this

one is believed. Messrs. Schiver & Bernard, of Checektuwago, can show you many thousands of splendid plants; and a house at Cold Springs containing 1,400 plants in 4-inch pots, each with two or three trusses, and in twenty different varieties, makes a gay sight.

There have been several out-of-town gentlemen here within a few days. Mr. McHutchinson on his return trip, Mr. and Mrs. John Speelman, Mr. Fred Atkins and also a few friends from across the water whose names I refrain from attempting to pronounce for fear of neuralgia. Mr. Henry Wise, of East Aurora, whom it is always a pleasure to meet, for he is a thorough gardener, talks so sensibly on all horticultural subjects and has nothing "to offer" only good ideas.

Mr. Geo. McClure, the able landscape gardener, has just completed a fine job at Lockport. George is capable of putting the artistic touch on any place, big or little, with a master hand. He is a gardener from way back, and keeps up with the ideas of the times. There is going to be a lot of this kind of work in the future and people are finding out that it pays to engage a man with knowledge and skill instead of the uncouth brute who throws down a few yards of sod, and his colleague, the tree peddler, who charms you with his highly colored pictures of trees and shrubs that "never came." It is only another case of the survival of the fittest.

Last week was a very exciting time with thousands of our residents. There was a hard fight over the selection of the site for the Pan-American Exposition of 1901. I would say that the great unth'king portion of our people wanted it located on the water front. It would be of no interest to your readers to hear of the many arguments for and against the several sites. I will simply say that thousands who never saw a large fair or exhibition clamored for the water front. Those who have attended the fairs of the world know that except at Chicago the water front never was a feature, and at the World's Fair not one in a hundred knew or cared about Lake Michigan. Like John Thorpe's fox terrier who could hang with his teeth fifteen minutes at the end of a rope, it was unobserved by the vast majority. With all this mistaken enthusiasm for the undesirable the directors knew better, and the Pan-American Fair will occupy three hundred acres just north of the park and embracing some of the best and newest parts of the park. It is an ideal situation in every way. By raising the water in the already improved Scajaquada creek a beautiful lake will be made. There is little outlay needed, for the whole surroundings are fine.

Very strange that the so called Canadian fly should be brought forward by the opponents of the "Front site" as a serious objection. It was by no means a serious objection, but this

troublesome little insect got lots of notoriety from the discussion. Strange that everything we have in common with our kinsman across the Niagara river that is objectionable and a nuisance should get the prefix of Canada. To pronounce this pretty name similar to the agriculturists who reside on the banks of the river on both sides, you must drop the lower jaw, drop the lower eyelids if possible, give a gasp and you will emit a sound that you might spell "Kaanade." The thistle, a bad, bad weed, and this shortlived nocturnal moth that springs from the river in blinding swarms, drives into your ears, down your neck, or against an electric light and dies, is supposed by our most patriotic citizens to be a special product of Canada, cultivated and distributed to annoy the people who live to the south of them. Time was when we could give them New York boodle aldermen, defaulting bank cashiers and a choice assortment of all kinds of criminals, but that day is past, each nation, in that line, must carry its own burden. W. S.

ST. PAUL.

Trade is fair. The warm weather the latter part of April brought out an abundance of blooms. Nearly all sold, however, and while prices dropped on the poorer grades, the first class ones sold at good figures. During the past week the weather has been cooler and the crop has diminished. White flowers are in good demand, with the supply about exhausted each night; violets are all gone; roses plentiful; carnations not equal to the demand; bulbous stock is quite abundant but sells slowly. The plant trade is not very active. Pansies are in good demand, but other bedding stock is not. Carnations at 25 cents per dozen is a frequent sign, especially for Saturday sales.

Notes.

C. D. Elfelt, a pioneer citizen and florist, died at the hospital about two weeks since.

Shipping trade, both in cut flowers and plants, is reported excellent. Decoration Day trade promises exceptionally well, inquiries both for plants and cut flowers are numerous.

Fred Buckendorf, son of Wm. Buckendorf, of Minneapolis, was killed in a recent engagement with the Filipinos. The Twin City bowlers have discontinued their weekly games until July first.

James Souden, foreman for L. L. May & Co., has the sympathy of the trade in the bereavement caused by the death of his youngest child, a bright and winsome baby girl of 18 months.

The Society met in Minneapolis, May 13, with a very light attendance. Both speakers of the evening were absent, and the members present indulged in an informal talk on the subject: "The Cost of Growing Bedding Plants."

Funeral work has been in good de-

mand, while spring weddings have been more numerous than usual. The funeral of Wm. Donaldson, of Minneapolis, called for the largest display of flowers ever seen at a funeral in the northwest. The most unique piece was a mound of violets and valleys, about three feet in height and five feet in diameter. This contained 8,000 violets and 1,000 valleys. It was made by G. Colberg, designer for L. L. May & Co. X. Y. Z.

MADISON, N. J.

Club Notes.

The regular monthly meeting of Morris County Gardeners and Florists was held in Masonic Hall on Wednesday last, with President Duckham in the chair. There was a good representative attendance and all present had an intellectual treat.

The Rev. E. E. Luther, of Grace Episcopal church, Madison, spoke for about an hour on the "Vegetation of Florida and the Bahama Islands." He is an accomplished botanist, a close observer of the beautiful in nature, and in imagination he carried us through the scenes he saw, so vivid and realistic were his descriptions. Many plants, familiar and well known to us as grown under glass in our greenhouses, and necessarily restricted in growth, were described in their majesty of growth and lavish profuseness of blossom.

The advent of spring was portrayed in the increase of exhibits. President Duckham showed flowering shrubs in variety; A. Herrington brought over forty varieties of wild flowers, and W. H. Thomas showed some excellent celery of last year's growth and well preserved. The committee appointed to arrange an employment bureau presented a circular letter embodying the details of the scheme, which was accepted, and the committee made a permanent one to take charge of this branch of the society. A. H.

DETROIT.

Lovely Detroit has truly gained the name and reputation of the "Convention City." Every week one sees on our streets parties of strangers with badges pinned to their coats, on which is a cabalistic monogram or insignia of an order.

We are to have 70 conventions here this summer, including the S. A. F. Great preparations are being made by the local club for the entertainment of the S. A. F. and all who come will never regret the coming to Detroit in August. It would be a wise move for clubs coming in a body and wishing to stop at one hotel to begin figuring on how many and secure quarters. A list of the hotels, with rates, will soon be published, or, clubs may write Mr. G. A. Rackham, 880 Van Dyke avenue, for information.

Cut flower stocks accumulate sometimes now, but large funeral orders soon clear it up. R. A. G.

APPEAL TO FLORISTS.

The following letter has been issued by the St. Louis Florists' Club in behalf of a member of the craft who has had a peculiarly long list of misfortunes:

To the Florists of St. Louis and Suburbs:—At the regular meeting of the Florists' Club, a motion was made and carried by a unanimous vote to send out a letter to the florists of St. Louis and suburbs, also shippers, calling their attention to the condition of Mr. Thomas E. Carroll, one of our fellow craftsmen. Mr. Carroll has been extremely unfortunate, dating back for many years. The first of his misfortunes was a fire which destroyed nearly all his plant of greenhouses, then again he was visited by a long and severe drought by which he lost his whole crop for one year. The following year he was visited by the tornado which destroyed nearly all his glass, windmill and water tower and nearly everything pertaining to his business, and last of all he has become totally and helplessly blind and is now in a condition that he is unable to earn his own living. In view of these many afflictions that have befallen Mr. Carroll we appeal to you as fellow florists to assist him to the extent of your ability. Mr. Carroll is entirely out of business and unable to make a living. Any donation will be received by J. J. Beneke, 1222 Olive street.

E. SCHRAY, Sec'y.

J. J. BENEKE, Treas.

C. C. SANDERS, President.

The address of Mr. Carroll is 5212 Cote Brillante ave.

CLEVELAND.

Cut flower trade not so brisk. A little decorating, funeral work and cut-throat sales among Euclid avenue florists and department stores keeps things moving. Roses poor; carnations about the same as last week. There is an abundance of extra good outdoor valley in the market. Outdoor stuff, usually used for Memorial Day, will be gone this year before that time. Paeonies, day-lilies, deutzia, snowball, etc., are in now.

The market florists report plant trade very slow at the present time.

J. Louis Loose, Washington, D. C., was a recent visitor. O. A. C. O.

"SUBSCRIBER."—Kindly bear in mind that the real name and address must accompany all communications to insure attention.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

SITUATION WANTED—As foreman or manager; have had charge of prominent places in Chicago and New York; not afraid of work; the best of references given; Address 55, care Florists' Review.

FOR SALE CHEAP—Hitchings Hot Water Boiler No. 15, with 250 ft. 4-in. pipe and four valves, in A1 condition. Address C. J. Benz, Conshohocken, Pa.

FOR SALE—75 boxes of glass; will sell in small lots. Also one hot water boiler. Address I. N. Partridge, Sycamore, Ill.

SITUATION WANTED—By single man, 34, Swiss, sober, steady; 18 years' experience, palms, roses, carnations, mums and general greenhouse stock; also well up in landscape gardening; commercial or private place; good references. Address W. R., gardener, 383 Clarkson Street, Flatbush, Brooklyn, N. Y.

SITUATION WANTED—A first-class florist, grower, decorator and designer wishes to make a change; 15 years experience; age 30, single. Address R. S., care Florists' Review.

Always mention the Florists' Review when writing advertisers.

WANTED—Florist or grower; a first-class man or lady florist would have a good chance to take part interest in one of the best florist establishments in the west, either as a partner or manager. Address 40, care Florists' Review.

WANTED—A first-class grower wants to rent a few greenhouses; must be in fair condition; Chicago or west preferred. Address 50, care Florists' Review.

SITUATION WANTED—By trusty, first-class all round florist; 18 years experience, private and commercial; 9 years at last place; competent to take charge. Address Gardener, care Florists' Review.

SITUATION WANTED—As foreman of cut flower growing establishment; thoroughly capable to take charge of large place; at liberty June 1st; best references. Address M. K., care Florists' Review.

FOR RENT—16,000 feet of glass within 12 miles of Chicago court house; fairly good condition; some houses new; new boiler; long lease. Address C. N., care Florists' Review.

FOR RENT OR SALE—First class retail stand, 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

SITUATION WANTED—An up-to-date cut-flower artist, designer and decorator, second to none and a good salesman, now with one of the best firms in the country, wants to make a change; best of reference. For full particulars, address E. V. O., care of Florists' Review.

For Sale Residence and greenhouses; about 9,000 ft. glass; hot water heat; all stocked; fine show room; good house trade; 6 miles from Boston on line of electric and steam roads; house heated with hot water; electric lights and all improvements; 25,000 ft. of land. Would exchange for property in western New York. Address Mrs. A. M. BUGBEE, Box 167, Atlantic, Mass.

...WANTED...

An active, sober and reliable man to take charge of 65,000 feet of glass; must have some cash to enter into a co-operation to guarantee good faith and confidence; no one need apply except a man of experience and ability. Address

B. FRANK BARR, Lancaster, Pa.

Mention The Review when you write.

BUSINESS OPPORTUNITY. A rare opportunity is open to a hustling business man with some capital to get into a well established and profitable business. A chance of a life-time. Those meaning business may obtain particulars by addressing

ROX, care of Florists' Review.

FOR SALE-Rare Chance

A well established and paying florist's business, consisting of 12,000 sq. ft. of glass, centrally located on principal thoroughfare of thriving city in gas belt. Population 25,000. Only greenhouse in city limits. Death of proprietor reason for selling. For particulars address

MRS. HENRY MICHEL, Marion, Ind. (Grant Co.)

MUST QUIT BUSINESS

To the right man here is the best opportunity ever offered. Two rose houses, one carnation house, each 165x20; good pump, tank, fine boiler and never-failing well; good stable and sheds, 24x60; eight lily ponds and every one planted. Cost \$7,500; will sell for \$1,500. One of the best places in the State for a man who has good health and knows the business. Will sell on easy terms.

Come and see the place; it will be worth the trip.

T. J. WINTERS, 943 N. 7th St., Harrisburg, Pa.

Mention the Review when you write.

Always mention the Florists' Review when writing advertisers.

Something New!

A place where you can save money.

A place where you can buy or sell anything in the Agricultural or Horticultural line. Let us know your wants—we do the rest.

Mention The Review when you write.

International Growers' Exchange,

337 Sixth Ave., PITTSBURG, PA.

PITTSBURG.

Various Items.

J. J. Bolton, of Beaver Falls, Pa., was a visitor this week.

An innovation, for Pittsburg at least, was the sale of potted plants by a large retail department store, four plants—geranium, rex begonia, fuchsia, pelargonium—are bundled together in one package and sold at 20 cents.

Business the past week has been rather quiet among retailers. The wholesalers report out-of-town trade as very good. The supply of stock is now very abundant, a surplus of almost everything is on hand. First class roses and carnations find ready sale, the poorer grades are in little demand.

The Botanical Society of Western Pennsylvania celebrated "Field Day" last Saturday in a thoroughly interesting and instructive manner, by a jaunt through Schenley Park conservatories, gardens and nurseries, Superintendent Falconer acted as guide.

Numerous floral tributes for the funeral of Captain John Gregg, of Monongahela, Pa., of the Fourth United States Infantry, who was killed in the Philippines, were by I. Shelby Crall, of Monongahela, Pa., and some by our local florists. Some of the pieces were of unusual excellence.

Bowling.

Last Thursday night the Bowling Club rolled the following score:

	1	2	3	4	5	TOTAL
J. B. Murdoch	196	213	190	195	164	958
J. W. Ludwig	137	138	160	201	134	770
Geo. Oesterle	141	168	141	168	172	790
E. C. Ludwig	186	146	148	159	191	830
E. Fisher	154	110	109	107	157	637
T. P. Langhans	116	139	174	111	124	664

T. P. LANGHANS.

THE International Growers' Exchange is a new institution in the trade that ought to prove useful. It is located at 337 Sixth ave., Pittsburg, Pa., and A. W. Smith, Jr., and Fred Stokes are the active managers. It aims to be helpful to the trade in many different ways. Copies of their explanatory circulars can be had by addressing as above.

Rooted Runners from

MARIE LOUISE

which have borne 100 flowers per plant this last winter.From

VIOLETS

now until May 25th will sell good Rooted Cuttings at \$3.00 per 1000. Come and see for yourselves, dear friends, and I

will prove to you that my stock is clean, free from disease and first-class in every respect. Money refunded if not just as I say. Cash with order.

C. LAWRTZEN, Bx. 262, Rhinebeck-on-Hudson, N.Y.

Mention The Review when you write.

Clear Cypress Greenhouse Material.

This *with us* means the best growth of Cypress Lumber and the best grade of that growth; and from this grade all the sap—bright sap, which only experts can detect—as well as stained sap, knots and other defects cut out. Others do not equal our quality if they do beat our prices. It is not hard to see the reason: You can not buy gold dollars at fifty cents each. Experienced growers know that the best is not too good and cheapest in the long run.

Write for Circulars
or Estimates.

Lockland Lumber Co.,

LOCKLAND, O.

Mention The Review when you write.

Germinate your Seeds in Jadoo Fibre

(Every healthy seed will come up.)

Strike your Cuttings in Jadoo Fibre

(With ordinary care 100 per cent will root.)

Try JADOO and be Convinced.

THE AMERICAN JADOO CO.

817 Fairmount Ave.

PHILADELPHIA, PA.

Mention The Review when you write.

M. RICE & CO.

NEW ILLUSTRATED CATALOGUE
FOR THE ASKING.

Exclusive Importers and
Manufacturers of

Florists' Supplies

25 N. Fourth Street, PHILADELPHIA, PA.

Mention The Review when you write.

SEND IN your order now for a copy of The Florists' Manual, by William Scott. It will cover the whole field of commercial floriculture and will be the standard work of reference for the trade. Price \$5.00.

WHENEVER you need any rare supplies not offered in our advertising columns, write us about it. We will place you in communication with some one who can supply what you want.

DECORATION DAY FLOWERS!

.....FOR SALE BY.....

Bassett & Washburn,

76 and 78 Wabash Avenue, CHICAGO.

We grow all of our flowers and can give fresher flowers and better quality by having our own greenhouses, ice house and large, roomy packing facilities

PRICE LIST

American Beauties, extra long stems	per doz.	\$3.00
" " stems 20 inches	"	2.00
" " " 15 "	"	1.50
" " " 12 "	"	1.00
" " " 8 "	"	.75
" " short stems	"	.50
Brides, A quality	per 100,	\$6.00 to 7.00
" No. 1 "	"	5.00 to 6.00
" No. 2 "	per 100,	4.00
Bridesmaids, A quality	"	6.00
" No. 1 "	"	5.00
" No. 2 "	"	4.00
Meteors, A quality	"	6.00
" No. 1 "	"	5.00
" No. 2 "	"	4.00
Perles, A quality	"	6.00
" No. 1 "	"	5.00
" No. 2 "	"	4.00
Assorted Roses, mostly short stems, our selection	"	4.00

CARNATIONS.

Common colored	per 100,	\$2.00
Common white	per 100,	\$2.50 to 3.00
Fancy	per 100,	4.00

MISCELLANEOUS.

Sweet Peas	per 100,	75c to \$1.00
Adiantum	"	75c to 1.00
Smilax	per doz.	2.00
"	per 100,	15.00
Common Ferns	"	.40
" "	per 1000,	3.00
Galax Leaves, green	per 100,	.20
" "	per 1000,	1.50
Asparagus	per string,	.50
Asparagus Sprays	per 100,	1.50

Cape Jasmine at market prices.

YOU WANT THIS FOR DECORATION DAY!

VASE FOR THE CEMETERY.

.....THE.....

Clara Cemetery Vase

Patent Applied for by Mrs. C. W. Pike.

A Receptacle for Flowers, Long Needed for the Cemetery.

Prices, delivered to	One Dozen, - - -	\$3.50
railroads or ex-	Three Dozen, at - -	3.25
press companies	Five Dozen, at - -	3.00
in Chicago		

THE CLARA VASE for use at the Cemetery is a handsome as well as one of the most useful articles ever placed on the market. It is absolutely a new thing and takes the place of all the old tin cans, bottles and various old truck that are usually found in the cemetery for holding flowers, and prove such a disgrace where everything else is beautiful and ornamental. It is composed of solid glass and stands about twelve inches high. The lower end is sharp-pointed so it can be embedded about six inches in the ground and stand firm. It will hold sufficient water to keep the flowers fresh and sweet, and will accommodate flowers with long as well as short stems. The VASE is bell-shaped and the top has a diameter of about five inches. The VASE is sold at a very low price and is within the reach of all classes. It is very strong and well made and can not be broken by rough handling.

Samples sent on receipt of fifty cents (50c) each.

These VASES will retail in the market for from 50c to 75c each, thereby giving the dealer a profit of over a hundred per cent on his investment.

BASSETT & WASHBURN,

Growers of and Wholesale Dealers in Cut Flowers,

GREENHOUSES and RESIDENCE:
HINSDALE, ILL.

.....Store, 76 and 78 Wabash Ave., CHICAGO.

E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention the Review when you write.

WASHINGTON.

Flowers of every description are now in, but such prices! Lilac never so plentiful as now, is sold from the farmers' wagons to the fakirs at \$1 to \$3 per 100 bunches, who fairly flood the city with them. Last summer's old familiar signs, "roses 25 cents per dozen, carnations two dozen for 25 cents," can now be seen in the windows of several stores. Most roses small and inferior and can be bought at any price, though some extra pink stuff brought 4 to 6 cents. Outdoor valley plentiful at 50 cents to \$1 per 100. With the exception of funeral work and a few commencements the flower business is practically dead.

Notes.

A. Gude & Bro. are building a large range of glass, doubling their former capacity. Several others are also getting ready to build. M. Rice of M. Rice & Co., Philadelphia, was a recent visitor.

F. H. KRAMER.

YOKOHAMA, JAPAN.—Mr. Peter Barr, the London seedsman and horticulturist, now on a trip around the world, reached here April 15 and will remain a month or more.

McKINNEY, TEX.—Geo. W. Taylor has purchased 6 acres of ground and will erect several houses, the main one being 50x16. He intends growing a general stock for retail.

CARLISLE, PA.—Jesse Robbins is adding two houses to his range. One 23x23 for palms, the other 50x18-6, which will be used for mums in the fall and vegetables during the winter. H. W. Gibbons, 132 Liberty street, New York, has the contract.


WHOLESALE FLORIST,

11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.

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800,000
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Growers of****Cut Flowers**

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.**51 Wabash Ave., CHICAGO**

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24-inch stem	2.50		
20 "	2.00		
15 "	1.50		
12 "	1.25		
8 "	1.00		
METEOR	per 100,	3.00 to	5.00
BRIDESMAID	per 100,	3.00 to	5.00
BRIDE	"	3.00 to	5.00
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CARNATIONS	"	1.00 to	1.50
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Kaiserin " " " 5 " "	2.50	20.00
J. Wm. Colflesh, 53d St. & Woodland Av. Philadelphia	4.00	30.00

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IT WILL COVER the whole field of Commercial Floriculture, the articles arranged alphabetically, encyclopaedia style, so reference may be quick and easy. It will be a whole library in itself, and will tell you just what you want to know in just the way you want to be told. It will be the standard work of reference for the trade.

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By WILLIAM SCOTT.

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Payment need not be made
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All our Geraniums are sold except a few thousand **Skeleton Rose**, \$2 per 100; 2 1/2 in. pots, \$3.00 per 100.

COLEUS, by the 1,000, 10,000 or 50,000. Now ready **Crimson Verschaffeltii** and **Golden Queen**, \$8 per 1000; in variety, \$5 per 1000. **Verschaffeltii** and **Queen** in 2-in. pots, \$15 per 1000.

Giant Alyssum, 2 1/2-in. pots, \$3 per 100; rooted cuttings, \$1 per 100.

Ageratum, blue and white, 60c per 100; \$5 per 1000.

Fuchsias, standard sorts, \$1.50 per 100; \$12 per 1000; 2 1/2-in. pots, \$3 per 100.

Feverfew, Little Gem, from flats, \$1.25 per 100; \$10.00 per 1000.

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Extra fine, clean stock, guaranteed to please, 3-inch Brides and Maids, \$1.00; \$35.00 per 1000. 2 1/2-in. Meteorors, \$3.00 per 100; \$25 per 1000.

Leading 'Mums: Yellow—Bonnaillon, Modesto, Johnson, Jones, Golden Trophy, Emil Buettner, Sunderbruch, Rieman, Maud Adams, W. H. Lincoln, Yellow Queen, Golden Wedding, Henderson, Pink—Perrin, Ivory, Jones, Vivian-Morel, Murdock, Glory of the Pacific, Marquis de Montmort, White—Mayflower, Geo. S. Kalb, Ivory, Robinson, Jones, Iron Woodford, Gretchen Buettner, Schrimpton, Lottie Berry, Minnie Wauamaker, Fitzwygram, Bergmann. Red—Mrs. J. H. Weeks, Defender. 2 1/2-in., \$2.50 per 100; \$20.00 per 1000.

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Flowers in thumb pots; grows rapidly, 6-in. pot, carry 50 to 100 sprays of rosy flowers, 12 to 18 in. long; lasts 4 weeks when cut and wholesale at \$2 per 100; grows finely in cool house; perpetual bloomer. 12 for \$1.50, \$10 per 100, express prepaid.

New Fragrant \$1000
CALLA.

Very dwarf and free bloomer, has the fragrance of violets and lilies, \$1 and \$2 per 12, \$6 and \$12 per 100, mailed.

Asparagus Sprengeri.

2-in., 24 for \$1.50, mailed; \$4 per 100, express. 3 1/2-in., 24 for \$2.50, mailed \$7 per 100, express.

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College Point, Queens Borough, N. Y.

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PALMS and Decorative Plants in Quantity

Come, see Ericas (Heather), also Full Line of Other Flowering Plants and convince yourself. Price List on Application.

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IF YOU have not already done so, please send us an accurate list of those in the trade that receive their mail at your postoffice, and greatly oblige the publishers.

BERLIN, ONT.

As most of your readers have probably heard, the Canadian tariff will remain unchanged for this year at least. The Government in its wisdom having thought it best to leave trade undisturbed for the present, so that florists will have to put up with the evils of the present tariff and bamboozle the custom officers into believing that an araucaria is a palm, and lily of the valley a bulb and ply him with such-like innocent devices until the head bottle-washer sees fit to change the state of affairs. The Canadian Horticultural Association must keep hammering away too, and not give up the fight the first round.

The cut flower trade has been keeping up wonderfully in this little town until now. Roses are only 60 cents and carnations 30 cents and there is not a great deal of money in it, but it shows that things are improving and that people can be educated to buy flowers and that they will have them when they can buy good stock in their own town. The plant trade is beginning to move, but the changeable weather makes prospective buyers wary of too early planting and I am of the opinion that it does a florist no good to push the trade too early for the safety and well being of the plant, much as he may want to clean out his houses. I took a drive to Galt (a Scotch town of about 8,000, 12 miles from here), two Sundays ago, and had a very pleasant time amongst the florists there (at least with two of them, had not time to call on more). Messrs. A. Common and J. Wells are the principal ones out of fourteen I was told. They both have quite extensive establishments for the size of the town, and do a general florist's trade. How the other twelve live is a mystery I had not time to fathom.

Mr. Common is quite a pioneer; when he went on his present place it was covered with stones and boulders, some of which had to be blasted, and on looking under the benches of his houses one sees that the dividing walls are built of great blocks of stone. His land is all perfectly clean now with stone fences surrounding it. It struck me forcibly at the time that a man must have more courage than the general run to start a florist's place on a piece of land like that. But there are many more heroes than we hear of in the newspapers. Mr. Wells goes in for all the latest carnations, etc., and I also came across several plants there that I had not seen for years. A. H. EWING.

PLEASE SEND US a correct list of the names and addresses of the florists who receive their mail at your postoffice and thereby oblige.

YOU CAN BUY all your trade supplies to the very best advantage from advertisers in The Florists' Review, and at the same time advance the interests of your paper.



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SPECIAL ATTENTION.

W. E. TOR BROS.

Wholesale Growers of

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51 Wabash Ave., CHICAGO.

We have 6,000 Meteors in 2-inch pots, which we offer at \$18 per 1000. Fine plants.

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Thou-
sands.



My prize winners carried off the highest National honors yet awarded the Dahlia—a diploma and gold medal at the Omaha Exposition. Get my catalogue before ordering elsewhere.
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	Per 100
Rudbeckia Golden Glow, 3½-in. pots.....	\$1.00
Statice Armeria, Sea Pink, covered with buds, 8½-inch.....	8.00
Ageratum, white, 8½-inch, in bloom	3.00
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STAMFORD, CONN.

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Sandusky Carnation, \$10.00 per 100.
75.00 per 1000.

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In bud and bloom.

Ready for market and bedding purposes.

Beaute Poitevine, Mrs E. G. Hill,
Glorie de France, La Favorite, Heteranthe,
Mme. Bruant, and many others.

From 3 and 4-inch pots, \$5.00 and \$8.00 per 100.
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Strictly first class stock. Brides, Meteors, Maids and Perles. Strong 2½-in., \$3.00 per 100. Kaiserin \$4.00 per 100. Beauty \$5 per 100.

Our Rose plants are acknowledged to be the finest supplied to the trade. Place your order with us for immediate or future delivery if you want the choicest stock.

PETUNIAS, Dreer's latest set of double fringed, fine bushy plants, labeled, \$2 per 100, out of 2½-in. pots

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CUT CARNATIONS, long stems, all colors, \$1 a 100

SMILAX. Strong Bushy Seedlings, ready for delivered. This is the way to buy your Smilax and save a large expense in freight on pot plants. Can supply any quantity on short notice.

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Correspondence Solicited.

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From 2½-in. pots, ready for 3 and 4-in.

Strong and bushy Rose Geraniums, 3 var.; Heliotrope, white and purple; Lemon Verbenas; Ivy Geraniums; Dusty Miller, \$2.50 per 100. 3-in. Pelargoniums, bud and bloom, fine, \$5.00 per 100. Mexican Primrose, \$1.50 per 100. California Violets, strong rooted runners, 50c per 100, \$1.00 per 1000. Princess Pauline Ageratum, rooted cuttings, \$1.00 per 100. Fuchsias, in var., 2 and 2½-in., \$2.50 per 100.

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From 4-inch Pots, at \$8.00 per 100.

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MARCHEAL NIEL
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BON SILENE
ETOILE DE LYON
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YELLOW RAMBLER

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From flats, by mail, \$0.50 per 100; \$4.00 per 1000.
From 2-inch pots, 1 50 " 13 00 "
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From 4-inch pots, in bud, \$1.25 per dozen; \$8.00 per 100.
GERANIUMS, mixed, 3 inch pots, \$3.00 per 100.
CANNAS, mixed, 3-inch pots, \$3.00 per 100.
Send for Sample. Cash with order.

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Alternantheras, Coleus, Geraniums, Pansies, Daisies, Verbenas, Fuchsias, Salvias, etc.
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Rooted Runners, \$5.00 per 1000.

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NEW CROP DAGGER FERNS, First Quality, \$1.50 per M.

Send us your orders for Decoration Day and be sure of your stock.

FINE LAUREL FESTOONING, \$5.00 per 100 yards. See our Fine Laurel Wreaths, Prince's Pine, Mosses of all kinds.

All orders by wire or mail promptly filled.

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By mail, \$3.00 per 100.

WE PAY THE POSTAGE.

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Double English Daisies

IN BLOOM AND BUD.

\$1.00 per 100. Large Plants.

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SMILAX.. 2-inch, \$1.50 per 100.

Cyperus Alternifolius, 2½-in., \$2.00 per 100. Chrysanthemums, and plenty of them in 30 best varieties, 2-in., \$2.00 to \$2.50 per 100.

Express prepaid on orders of 500 or more plants. Stock strictly first-class.

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SMILAX Fine Stock, 2-inch pots.

\$1.25 per 100; \$10.00 per 1000.

CASH WITH ORDER.

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Mention the Review when you write.

Calycanthus Floridus, 3 to 4 feet.

Chionanthus Virginica, 2 to 3 ft.; Cottoneaster Simonsii, 2 to 3 ft.; Deutzia Scabra, single and double, 3 to 5 ft.; Exochorda Grandiflora, 3 to 4 ft.; Halesia Diptera and tetraptera, 3 to 4 ft.; Hippophae Rhamnoides, 2 to 3 ft.; Hypericum Kalmianum, 2 to 3 ft.; Spirea Opulifolia Aurea, 4 to 5 ft.; Ulex Europaeus, 1½ to 2 ft. A large assortment of trees, shrubs and vines. Send for catalogue.

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PITTSBURG CUT FLOWER CO., Ltd. WHOLESALE FLORISTS.

Long Distance
Phone 2157.

CONSIGNMENTS SOLICITED.

No. 705 Penn Avenue,
PITTSBURG, PA.

FLORISTS' SUPPLIES.

Write for Price List.

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PHILADELPHIA.

The Market.

Trade has been very poor the past week, owing to the retail customers leaving town for their summer homes. Brides, Bridesmaids, Meteors and Kaiserins brought from \$3 to \$5 per 100; Beauties, \$2 to \$2.50 per dozen; Perles, \$2 to \$4 per 100. Carnations brought from 50 cents to \$1 per 100, with some of the fancy varieties selling at \$1 to \$2 per 100; valley, \$2 to \$4 per 100; smilax, 15 to 20 cents; sweet peas, 50 cents to \$1 per 100.

French cannas are comparatively scarce this spring, due no doubt to severe cold weather of the past winter.

Visitors.

Among the visitors the past week we noticed Mr. Siebrecht, Jr., New Rochelle, N. Y.; B. F. Barr, Lancaster, Pa.; M. B. Bunker, Boston, and H. P. Potter, Wilmington, Del.

OBITUARY.

Lewis Templin.

Lewis Templin, the veteran florist and founder of the firm of L. Templin & Sons, died at his home in Calla, O., of paralysis, May 10, aged 87 years.

TORONTO, CAN.—The Parkdale conservatories is the name of the new cut flower store just opened by B. E. Wadsworth, 1450 Queen street, West.

NEW ORLEANS, LA.—There will be a magnificent floral parade at the Industrial Exposition May 19. Elaborate plans have been made.

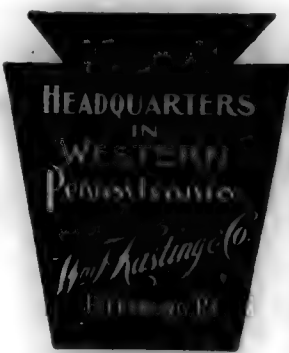
BELVIDERE, ILL. — Preparations are being made by a local society to have a chrysanthemum show next November.

PUEBLO, COLO.—Victor Johnson is erecting a building 16x20 on Main street which he will use as a flower store.

WHEN you write an advertiser, always state that you saw the adv. in The Florists' Review.

ROSES.
Carnations
VALLEY
FERNs.
GALAX, and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
In Stock.

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We get
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Wholesale Florists. 444 Sixth Ave.

All kinds of FLORISTS' SUPPLIES and
WIRE DESIGNS on hand.

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Galax Leaf.
Much reduced.

Galax Leaves AND Leucothoe Sprays

FOR SPRING AND
SUMMER USE.

Write for prices to
HARLAN P. KELSEY,
1106 Tremont Bldg.,
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Cut Flower Exchange,

404 - 412 East 34th St., New York,

NEAR THE FERRY.

Open Every Morning at 8 o'clock for the sale of
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Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

Mention The Review when you write.

Long's "Handy" Order Sheets

The practical leaders to correct order taking in
hurried hours. Single sample free.

Pad of 100 sheets, mailed for 24 cents in stamps.

Ten Pads (1000 sheets), by express, \$1.75.

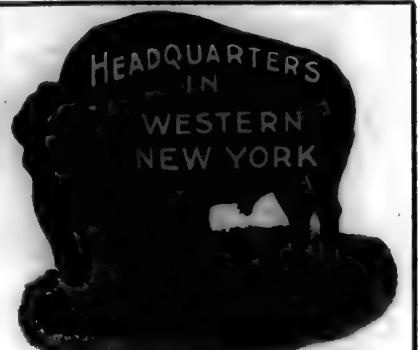
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Seasonable
Flowers
in stock.



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Also Dealer in Florists' Supplies and Wire
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CUT FLOWERS,

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Original Headquarters for CARNATIONS.

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LONG
DISTANCE
PHONE. Wholesale
Florist,

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Pandanus Veitchii

Clean
Stock,
Pedestal
Grown.
6-in. pots, \$1.00 each; \$12.00 a dozen. Also larger
sizes. Send list of sizes required and get rates.
Also a few white leaved plants at half price, for
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JOHN WELSH YOUNG, - Germantown, Pa.

Upsal Station, Penn. R. R.

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Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

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Ivory	Eugene Dailledouze
The Queen	Wm. H. Lincoln
Mrs. Jerome Jones	Col. W. B. Smith
Etoile de Lyon	Mrs. J. G. Whilldin
Miss Minnie Wanamaker	V. H. Hallock
Golden Wedding	Maud Dean
Niveus	Chillingfordii
Minerva	Geo. W. Childs
Liberty	Bessie Burton
Bonnaillon	Modesto
Mrs. J. J. Glessner	Mrs. Murdock
Belle of Castlewood	J. G. Woodford

from 2½-in. pots, \$2.00 per 100; per 1000, \$15.00

Cabbage and Celery, in var., strong plants, 15c per
100, \$1.00 per 1000; \$8.50 per
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2-inch for \$22.50 and

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EXTRA FANCY BEAUTIES.

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VERY CHOICE KAISERIN, regular
Summer growth.

SELECT MAIDS and BRIDES.

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We ship nothing knowingly but stock
that will carry and give satisfaction.Our Prices always the lowest
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by this NEW ROSE..... MISS CLARA
BARTON.Plants in 2½-inch pots NOW READY. Price — per 100, \$15.00; 50 at 100 rate.
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Brides, Maids, Strong, Clean
Stock, ready
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Meteors, 3-in., \$ 6 per 100, \$50 per 1000
4-in., 10 " 90 " "
500 at 1000 rate.

F. BURKI, Bellevue, Allegheny, Pa.

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INDIANAPOLIS.

The weather here is very warm, the thermometer registering 80 degrees and above and vegetation is very much advanced.

Business has been fairly good, but will soon be booming, as the bedding season advances. Most of our people keep over geraniums and other bedding plants, but Jack Frost called at their places this winter and took possession of all they had. Nearly every day you hear a customer say, "I lost all of my flowers this winter, they all froze, I will have to buy a few to replace them," and of course the florist, with a merry twinkle in his eye, expresses his sympathy, rubs his hands gleefully together and says, "This way to the geranium house, please." The predictions are that we will have a heavy spring trade.

The Spring Show.

The State Florists' Assn. gave a spring show of bedding plants, etc., in their rooms at the State House, Tuesday, May 2. The public was admitted free and it was well attended. It is a pity that so few of our florists took advantage of this opportunity to show the public what they have to offer in the way of bedding plants as it was an excellent advertisement for those who made an exhibit. The display of flowers, although not a large one, was very good. Henry Rieman had some magnificent large geraniums and pelargoniums in 8 and 10-inch pots, 3 feet high and a mass of bloom; also some new carnations, including his new white seedling which is the largest I have ever seen. The Berterman Floral Co. had an exhibit of palms and cut flowers, including some good Beauties. Huntington & Page fairly outdid themselves in their display. They had several hundred small Rex begonias and cut flowers. Their palm display was quite an attraction. Hukriede & Son were the only ones who devoted their display to bedding plants. In their collection were some excellent geraniums in 4-inch pots, caladiums, coleus, ferns, vines, etc. Not to forget our city florist, Robt. A. McKeand of Garfield Park, who had a large display of everything from a palm to a geranium were tastefully arranged. His cannas, especially a seedling, Mrs. R. A. McKeand, were very fine. As there was no meeting the boys went to a nearby alley and bowled several exciting games.

Notes.

We regret to have to record the death of the daughter of Mr. Stuart, of Anderson. The funeral was held on the afternoon of May 2.

Mrs. Chas. Rieman will retire from business, having leased her place to Martin Nelson. FRED.

IF YOU HAVE anything to sell to the trade, offer it in an adv. in The Review.

SPECIAL LOW PRICES ON Large Flowering Clematis AND OTHER Climbers

WE have an immense stock of the following popular varieties, grand two and three-year-old stock in strong plants, in 5 and 6-inch pots which are certain to grow and will please your customers.....

Booskoop Seedling, extra large lavender.
Duchess of Edinburgh, double, pure white.
Gipsy Queen, fine rich purple.
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Jackmanni, the most popular, rich royal purple.
Mme. Baron Veillard, light rose shaded lilac.

Mme. Van Houtte, pure white, extra fine.
Miss Bateman, white with chocolate anthers.
Standishi, light blue.
The Gem, deep lavender blue.
The President, bright bluish purple.

Price for any of the above, \$3.00 per dozen; \$25.00 per 100.

MISCELLANEOUS CLIMBERS.

Clematis Flammula , strong plants in 8-inch pots	\$1.00 per doz.; \$8.00 per 100
Ampelopsis Veitchii , 8-inch pots .....	.75 " 6.00 "
Aristolochia Sipho , extra heavy plants	4.00 " 30.00 "
Honeysuckles , strong 4-in. pots— Halleana , Evergreen and Var.	1.15 " 10.00 "
Wistaria Sinensis and Alba , strong	8.00 " 25.00 "

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

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3,000 FERNS for \$1. ONE DOLLAR is the cost of sufficient **FRESH FERN SPORES** saved at the **United States Exotic Nurseries**, to produce the above quantity of small Ferns for jardinières, fern dishes, etc. We furnish simple directions for the successful cultivation of Ferns from spores, when so requested. This package contains only the best varieties for the purpose named. Collection of the 12 best varieties in commerce, each in a separate envelope, each package sufficient for 500 plants, \$5.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

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Dahlia Camelliaeflora...

Illustrated in Florists' Review January 26, 1899, and in Florists' Exchange August 13, 1898.

Awarded by the American Institute of New York a Diploma on pot plants of Dahlia Camelliaeflora and a First Class Certificate on Cut Flowers of the Dahlia Camelliaeflora.

This variety is particularly good for Spring sales as pot plants and is an abundant bloomer, valuable for cut flowers, and does not exceed two feet in pots or in field. The blooms are bold, clean cut, pure white, with very full center. Good, strong plants out of 2½-in. pots, \$1.50 per doz.; \$10.00 per 100. Orders booked now and filled in rotation. Cash with order.

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DENVER, COLO.

The Denver Florists were away off on their bowling last evening and many of them are ashamed to have the undermentioned scores published, but we cannot always expect to be making double centuries.

We would like to hear through The Review the kind of alleys in use by the eastern florists, as the fraternity out here are of the opinion that most of them are regulation alleys.

Herewith are the scores of the 10th inst.:

	1st.	2d.	3d.	4th.	Av.
John Berry	141	145	177	183	163
A. E. Mauff	158	147	148	179	158
Geo. Brenkert	137	146	191	158	
Robt. Kurth	163	176	118	152	
John Ferris	139	111	197	149	
Geo. Zimmer	129	114	191	145	
Chas. Thless	137	149	...	143	
Chas. Mauff	139	127	157	...	141
M. J. Taylor	151	131	...	141	
J. Valentine	142	134	...	138	
Chas. Meyer	124	150	101	125	
Chas. Webb	105	142	...	123	
Chas. Franz	118	125	...	121	
J. Jakobsen	110	...	...	110	
Theodore Loken	93	111	...	102	

J. B.

TEN DOLLARS FOR A NAME.

One of our advertisers offers a prize of ten dollars for a suitable name for an insecticide they have perfected and are about to put on the market generally, in the United States.

The article is a preparation of nicotine and wood pulp, with certain chemicals to make it burn slowly, but without flaming when ignited. During the burning the nicotine is liberated and circulates through the greenhouse, killing all green fly, thrip, etc., the house may contain. This new method of vaporizing nicotine does away with the pans, hot irons, steam blowing and all the trouble, generally incident to the methods now in use.

The article to be named consists of a thin sheet rolled into a cylinder, so that as sold it looks like a roll of dark brown paper six inches long and five-eighths of an inch in diameter. When used the roll is unwound, coiled loosely, lighted with a match and allowed to burn. It "does the rest."

The Skabcura Dip Company, 23 Branch street, St. Louis, will pay ten dollars to any one sending them a name, which the management deems best for this preparation. A name indicating the method of using and the work to be performed is what is wanted.

Rooted Cuttings of Carnations ALL SOLD.

We are booking orders for Field Grown Plants.

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5000 BEGONIA REX and 5000 VINCA VAR.

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Abutilon Var, trailing, finest of all for baskets and vases, 2½-in., \$8.00; 3-in., \$10.00; 4-in., \$15.00 per 100

Begonia Rex, 2-in. \$4.00; 3½-in., \$10.10 per 100

" Louis Closson, \$4.00 and 6.00 "

Fuchsia Trailing Queen, 2½-in. 4.00 "

Forget-me-not, winter flowering, 2½-in. 3.10 "

Cobea Scandens, extra strong, 3-in. 5.00 "

Impatiens Sultana, 2½-in. 3.00 "

Maurandya Vine, 2½-in. 3.00 "

GERANIUMS—Mrs. Pollock, 2½-in. \$4.00 per 100

Mrs. Parker, " 6.00 "

Happy Thought, 2½-in. 6.00 "

Rose Scented, 2-in. 4.00 "

Silver Leaf, 2½-in. 4.00 "

Freak of Nature, 2½-in. 6.00 "

Manettia bicolor 2.00 "

Asters, seedling50 "

VINCA VAR, extra long, 2½-in., \$2.50; 3-in., \$4.00; 3½-in., \$6.00; 4-in., \$10.00; 5-in., \$15.00 per 100

ROOTED CUTTINGS.

Per 100

Alyssum giant, double \$1.00

Abutilon, trailing var. 2.00

Ageratum, blue and white 1.00

Anthemis, double yellow 2.00

Begonia Rex 2.00

" Incarnata Gigantea 2.00

" Vernon 1.00

Coleus, mixed, per 1000, \$5.60

Fuchsias, assorted 1.50

Cobea Scandens 1.50

Cuphea (Cigar) 1.00

Per 100

Geraniums, mixed \$1.25

Mad. Sallerol 1.25

Silver Leaf 1.50

Rose Scented 1.50

Mrs. Pollock 2.00

Freak of Nature 4.00

Mrs. Parker 4.00

Happy Thought 3.00

Mars 3.00

Mad. Bruant 4.00

Ivy 1.50

Per 100

Geraniums, Pansy \$4.00

Violet M. Louise60

Vincas Var., per 1000, \$10. 1.25

Daisy Snow Crest 2.00

Impatiens Sultana 1.50

Lemon Verbena 1.50

German Ivy 1.25

Lobelia, blue 1.00

Manettia bicolor 2.00

Lantana, assorted 1.50

VIOLETS, Marie Louise, Clumps very large, per 100 \$1.00

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1000 Asparagus Plumosus Nanus, 4-in. pots, \$15.00	
1000 " " " 5 " " 18.00	
200 " " " 7 " " 25.00	
300 " " " 8 " " 35.00	

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Write for prices on Carnation Cuttings.

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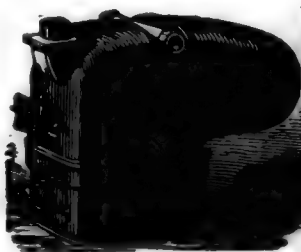
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→CHICAGO.

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G. L. GRANT, EDITOR AND MANAGER.

PUBLISHED EVERY THURSDAY BY

THE FLORISTS' PUBLISHING CO.

520-535 Carlton Building, Chicago,
334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

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WE WOULD LIKE very much to have a complete and accurate list of the names and addresses of the florists of America and to this end will ask each subscriber to kindly send us an accurate list of those in the trade in his or her city or town. By complying with this request you will confer a great favor on the publishers.

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Boilers made of the best material, shell, firebox sheets and heads of steel, water space all around (front, sides and back). Write for information.

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Seed
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FORCED SNOWDROPS.

Snowdrops are forced by English growers in late winter by lifting clumps from the borders, setting thickly in shallow boxes, the bulbs just covered with soil, and placing in gentle heat. After the flowers are gathered and the contents of the boxes re-hardened, they are returned to the ground, where they remain undisturbed at least two years before being again forced.

HARTFORD, CONN.—A law has been passed by the legislature for the protection of the trailing arbutus. This is the first law passed by any legislature in the Union for the protection of a wild flower. The occasion for the law is the practice of people in tearing the plant up by the roots instead of merely cutting the flowers, as the result of which there was danger that it would become extinct in the state. Massachusetts is agitating for a similar law.

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Send for list of
Sizes and Prices of our



BY THE BAG, TON OR
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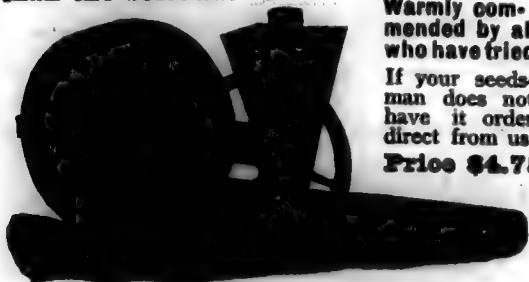
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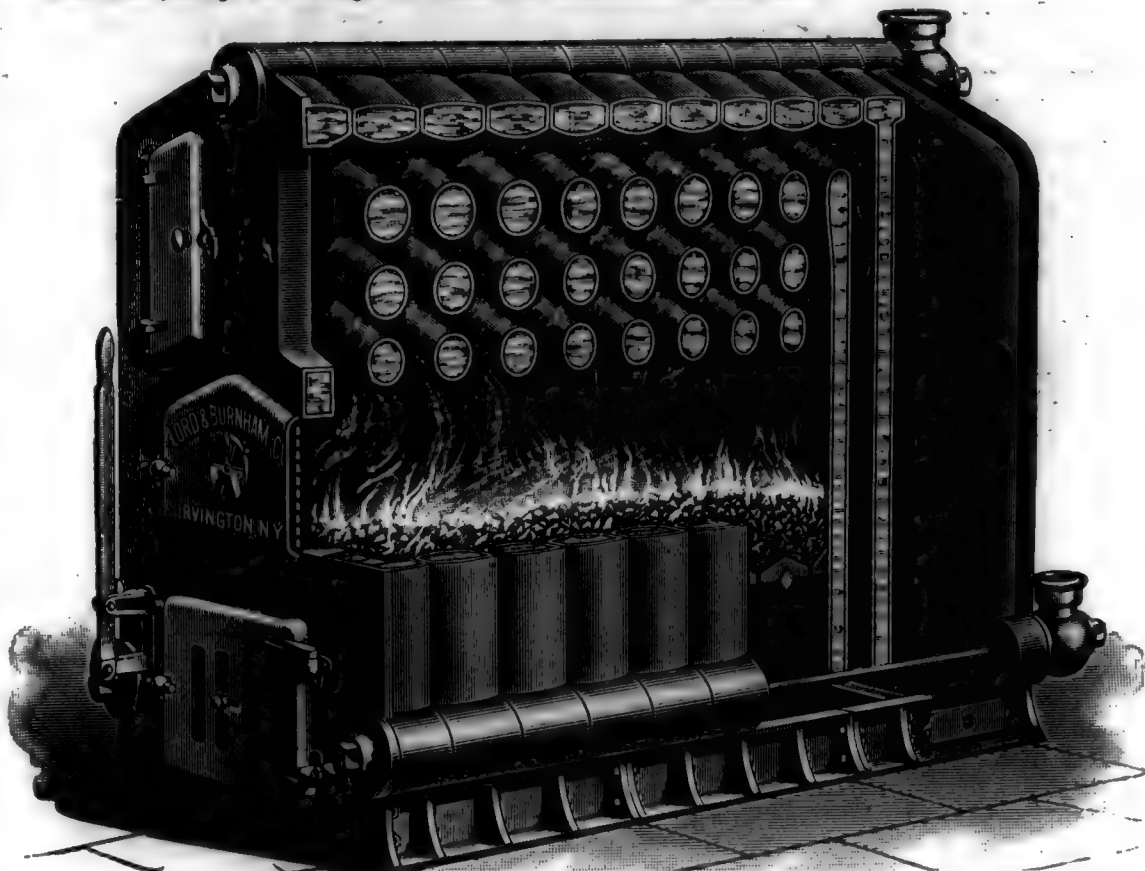


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Vol. III.

CHICAGO AND NEW YORK, MAY 25, 1899.

No. 78.

A FLORIDA FLORIST.

On the 6th of February last, as I stepped from the steamer "Margaret" to the Braidentown pier on the broad Manatee River, I was met by Mr. Reasoner, Sr., who was waiting to drive me four miles back into the country, in the direction of Sarasota Bay, to Oneco, the location of the Royal Palm Nurseries, of Reasoner Brothers, where I was welcomed by Mr. E. N. Reasoner, and his pleasant wife, to their beautiful home "Beth Salem." The family are of New England stock, and came here from Illinois. Pliny W. Reasoner, the oldest son, located here first; coming to Florida to escape the

rigors of the northern climate, and being followed by the younger son, and finally by the father and mother.

Pliny seems to have possessed a strong natural taste for botany and kindred subjects, and wrote the first Bulletin for the Department of Agriculture. He was Commissioner for Florida at the Sub-Tropical Exposition at Jacksonville, and at the Ohio Valley Centennial Exposition at Cincinnati. He died of yellow fever in 1888. The title of the firm is continued as it was in his lifetime, through sentiment; Reasoner Brothers now being E. N. Reasoner. He has over 200 acres of land, about 30 acres of which is planted with nursery stock,

on what is known here as "high hummock" land. This seems to have been the shore of a large body of water at some time, and is made up partly of shells and vegetable material, to which it no doubt owes its fertility.

It is the furthest south of any establishment of the kind in the country, of any importance; being 40 miles south of Tampa, and only about 300 miles from Havana. Before coming here, I had supposed that they had removed from Manatee to this place; but their location has not been changed, Manatee being their address until the postoffice was established at Oneco.

In the hummock are growing nat-



Clump of Bamboo 30 feet in diameter, on the grounds of Reasoner Bros., Oneco, Fla.

urally, *Sabal palmetto*, *S. Adansonii*, a *nephrolepis* which Mr. Reasoner thinks is identical with the "Boston" fern, which may have been disseminated from plants sent north by him, *ardisia*, *magnolias*, *tillandsias*, *Epidendrum venosum*, wild coffee, *Polypodium incanum* on the tree trunks, *P. aureum*, *Blechnum serrulata*, *Loblolly Bay*, *Canna flaccida* and *yuccas*; while introduced and thriving, are *Papyrus antiquorum*, bananas, a perennial *helianthus* from South Africa, *Hedychium coronarium*, *Amomum cardamomum*, *alocasias*, *heliconia*, *bamboos*, *crinums* and *pancratiums*.

Under cultivation in the nursery is a collection of about 150 varieties of the so-called citrus fruits, ranging from those that produce fruit the size of a gooseberry to others that reach 15 lbs.

tion shows that provision is also made for a little heat, as they have sheet iron stoves which can be set up if required, and connected with the stove pipes, which are joined to wooden chimneys reaching above the roof.

In these inclosures the plants, consisting mainly of palms, crotons, ferns, *aralias*, *araucarias*, *panax*, etc., are grown in pots, plunged in the sand which forms the floor. In the glass houses provision is made for heating when necessary by hot water pipes.

In looking through these buildings, one thing which impresses the northerner unfavorably, is the celerity with which rusts and other forms of fungi flourish in this climate. They will probably take up the time here which in the north is given to fighting insect pests. The reader must not con-

to the claims of two interesting young Reasoners. W. T. BELL.

THE SEVERE WINTER.

The following plants, shrubs and trees, which had proved hardy in Lincoln Park, Chicago, for a number of years, have been more or less completely destroyed the past winter. Where not otherwise specified all have been killed:

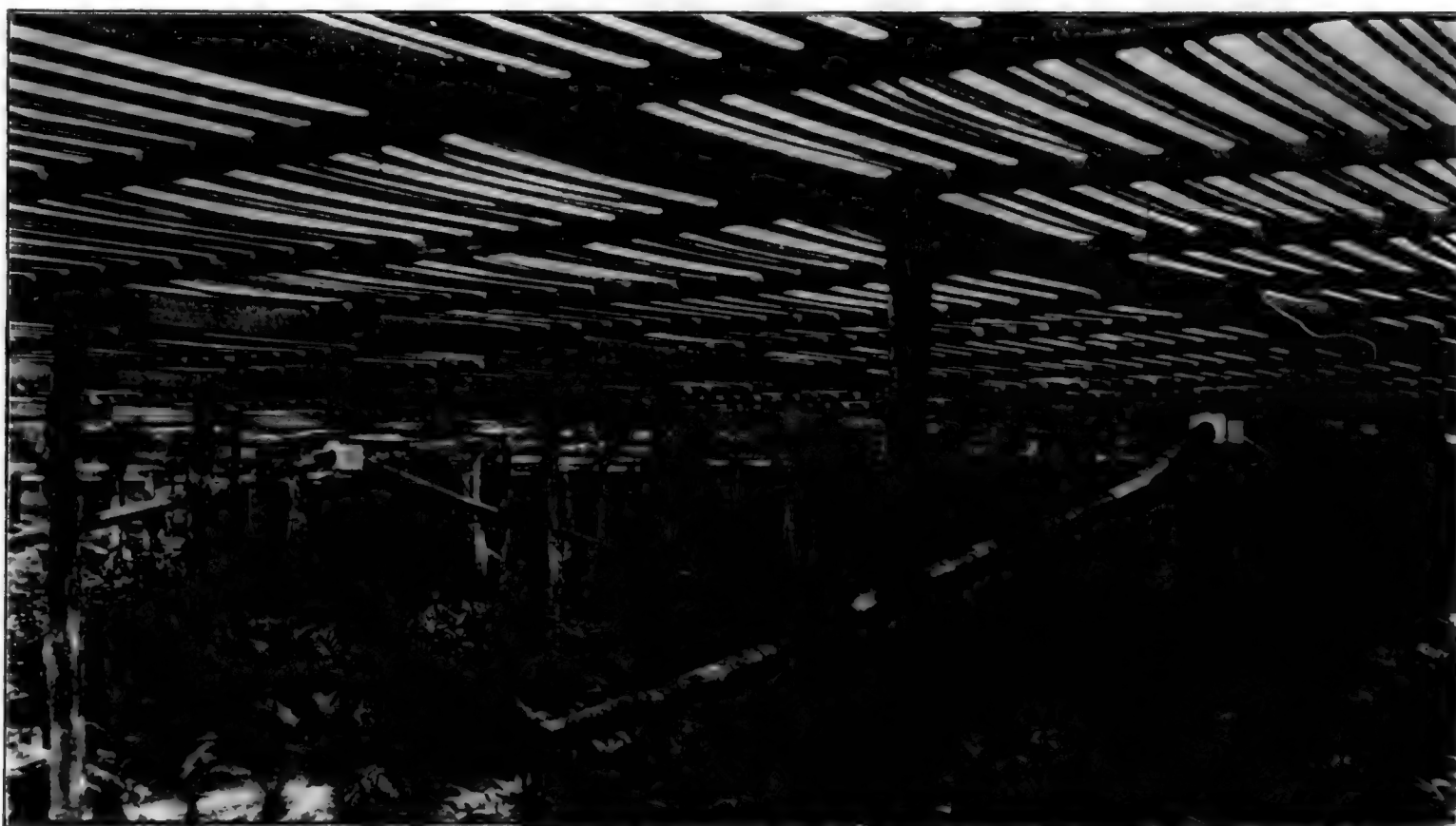
Ailantus glandulosus. Young offshoots and exposed trees suffered.

Althaea rosea. A few escaped. *Althaea Taurinensis* proved hardy.

Anemone japonica and other introduced species were killed.

Aralia Cachemirica.

Argemone platyceros.



A Lath House, at Reasoner Bros., Oneco, Fla.

in weight. Many other tender fruits and ornamental trees and shrubs are grown here, including guavas, mangos, pineapples, Surinam cherries, palms and a large assortment of beautiful coniferous plants.

In this genial climate frost-proof plant houses are not as essential as they are with us, and there are but three glass houses on the place, the greatest number of the plants in pots being grown in frames outside, or in the two large lath-covered houses, one of which incloses an area of 10,000 square feet. These houses (if they should be called such) are made by setting posts around the space to be inclosed, to which matched boards are nailed, making a tight wall about seven feet high, and covering overhead with lath or slats, over which canvas is tacked in cool weather. The illustra-

clude that there are no insects here, for mosquitoes are as insistent as their Jersey cousins. Mr. R. picked a tick from my neck, just in time, as we came out of the jungle, and possibly they have the penetrating "Chiggers;" while rattlers and moccasins associate on terms of equality with the bare-footed children.

The products of these nurseries are sent by mail, express and freight, to all parts of the country, and beyond it; put up in light packages, in the two-story packing house, 25x60 feet in size.

Mr. H. L. Mosier, formerly of Louisville, Ky., is foreman, and Mr. Reasoner has an able lieutenant in his wife, who the evening I spent there addressed and folded about 100 catalogues, in addition to directing the affairs of her household, and attending

Armeria maritima.

Buddleia curviflora.

Bocconia cordata. In part killed.

Cercis canadensis. Partly killed.

Coreopsis lanceolata, the cultivated form, was killed. The narrow leaved native variety (*angustifolia*) withstood the winter.

Deutzia crenata fl. pl.

Dianthus barbatus.

Dianthus plumarius.

Dictamnus fraxinella.

Eulalia japonica.

Eulalia zebrina.

Dipsacus sylvestris.

Foeniculum vulgare.

Gaillardia Lawrenciana.

Geum atrococcineum.

Heuchera sanguineum.

Hibiscus californicus.

Hibiscus syriacus.

Hibiscus syriacus variegatus.

Hibiscus militaris.
 Hyacinthus candicans.
 Lathyrus platyphyllus (except one).
 Lobelia cardinalis (mostly killed).
 Lychnis plenissima.
 Ligustrum ovalifolium.
 Monarda didyma.
 Marrubium vulgare.
 Montbretia.
 Nasturtium montanum.
 Oenothera rosea.
 Origanum vulgare.
 Opuntia missouriensis.
 Opuntia Rafinesqueii.
 Pachysandra terminalis.
 Paulownia imperialis (except one).

Philadelphus coronarius (and others).

Schrophularia aquatica.
 Teucrium scorodonium.
 Tritoma uvaria.

Viburnum opulus sterilis (partly).
 Viola odorata.

Pines have suffered quite severely as well as the other conifers. Many trees and shrubs not killed outright have had their vitality so impaired that they will probably die before the end of the summer, and those not otherwise affected show the result of the severe winter in less abundant bloom.

J. H.

room so they will make sturdy, bushy plants.

Hydrangeas that are wanted for later sales, say about this time, can be planted out in deep, rich ground. They will make larger plants than those grown in pots, but are not so adapted for forcing. I have planted them in four inches of soil under glass, and with lots of water they make good plants and are convenient to lift, but as every spare bench is used in the summer for mums the hydrangeas have to go outside, and it is quite as well for them.

Metrosideros—Acacias.

The metrosideros and acacias that you—cut—down—after—Easter—can be treated just the same as the azaleas.

Hollyhocks.

There has been a great demand for hollyhocks this year, and being fascinated by the pictures of these stately plants and the glowing description of "Our fine field-grown plants," I find that in at least half a dozen places the fine plants were only on paper. Grow all you can, brother florist, in any line that you can handle, and be dependent as little as possible upon the contents of the beautiful catalogue. Many are the things it is cheaper to buy than to grow, and you should find out for yourself who are the firms to depend upon for certain articles. No firm can do all things well any more than you can.

As city people of means are having the very proper desire of spending their summers at their "country place," which is more often measured by acres than feet, there will be a good demand for hardy perennials and herbaceous plants. But it will not do to treat the hollyhock quite as a hardy perennial, particularly the first year. As is the case with many of our hardy plants, their hardiness depends greatly upon whether they are covered with a mantle of snow or are exposed to below zero blasts on the bare ground.

The hollyhock seed can be sown now and when the seedlings are large enough they can be planted six inches apart in a cold-frame, where they can be protected by grass or boards in the coldest months. These plants will give fine spikes the year they are planted in the border. The writer, some twenty-seven years ago, grew some hollyhocks planted in a stiff clay with lots of manure, and the plants and flowers were as fine as any we have seen in either this or any other land.

The seed was sown in August in a cold-frame and the plants were wintered in 3-inch pots in a cool house on a shelf, where they never were frozen, and planted out the following April. They grew nine feet high and five feet through, and the flowers were five inches across (no larger). So there are more ways than one of doing it, and where a limited number are grown I prefer this plan that was so successful. Perhaps the strain of seed deserved more credit than the culti-

MISCELLANEOUS SEASONABLE HINTS.

In the hurry of filling your orders for bedding plants, getting out the veranda boxes and vases, you are likely to neglect some crops that will be missed when winter comes.

Stevia.

You should plant out in good soil all you need of *Stevia serratifolia*. Common as it is there is nothing just like it at Christmas time. Give the plants two feet each way and keep them well pinched till lifting time, which is just before frost. They are such strong growers they need no watering except that which comes from the clouds.

Azaleas.

Azaleas are far better outside as soon as settled warm weather arrives. Some growers plant them out, and they lift easily in the autumn, but the safer way is to stand them out of doors on some dry bottom and surround the pots to the rims with some easily handled material; tan bark, spent hops or leaves. I have said stand them on a dry bottom, for that is important; they need a lot of water and a daily syringing, and if the pots are standing in a puddle, or are over-soaked, the plants will suffer, and show it by sickly yellow foliage.

It is supposed that the plants have been cut back and that the young growth has been made since Easter. If the young growths are not fully developed keep them in till it is. There is quite a difference of opinion as to whether these azaleas should have the full sun or be in the shade. Years ago it was thought entirely proper to stand them in the shade, but nowadays many growers give them the full sun, and I believe the latter plan is the

best. The ideal position would be in the broad daylight with a light cloth or slat shading during the hottest hours of the day. Azaleas grow and widen out all summer, so give them room to spread and to allow the light to get all around them. Give them a syringing daily, or twice a day in very hot weather.

Daisies.

A plant that sold well with us last Easter was the single daisy, or *Marguerite* as it is called. Few flowers are more beautiful to cut. They are fine for church decorations, and I have noticed that after your customer has thrown out the lilies, azaleas and hydrangeas, the daisies are for months "All a-growin' and a-bloomin'." I have noticed it particularly this year that plants sold at Easter and before in full bloom are now on the verandas and better than ever. That is encouraging to our patrons. Although an old plant, I look for an increased demand for it the coming year.

Small plants should be put out at once and placed 18 inches apart each way. Don't put them in rich soil; they grow fast enough in a poor soil, as long as it is of a texture to enable you to lift them easily, and the latter remark applies to all plants that have to be lifted in the fall. Keep them stopped during summer.

Hydrangeas.

Hydrangeas that are wanted for Easter are better grown in pots. They will be in 4-inch pots now, and are better out of doors plunged in the full sun. In a few weeks they will want a 5-inch or 6-inch pot. When plunging for the summer give them plenty of

vator, but the strong clay soil deserved some. Buy the best strain of seed there is in the market.

Geraniums.

You hear your brother florist frequently say: "I ran out of this or that. Sold it all." Now, don't sell it all. It's a poor way to make money. Plant out your needed stock of all things that are likely to be in good demand. If your ground is ready it don't take long to set out a few hundred plants, some of everything, and particularly a good healthy stock of your best varieties of geraniums. It is unreasonable to expect to perpetuate your stock of any variety by selling

all the best plants, and about the 4th of July put out for yourself a few culls, the halt, the lame, the blind, that were not good enough to sell.

This careless selection of our stock has been the cause of our declaring, and hearing other people declare, that so and so, either a geranium, a carnation, or a fuchsia, is "played out." The zonale geranium, an ever popular plant, is still improving, and I think it is a most wise investment to buy two or three or half a dozen each of the new ones that have the best reputations. You may get a jewel amongst them that just suits the taste in your locality.

WM. SCOTT.



DECORATION DAY.

Whether it be shaft of enduring granite,
Or wee mountain daisy that mark the grave,
Aye, let us tenderly on it
Place loves' garland for the true and brave.

The nearer Decoration Day approaches the more we feel impressed with its importance, and although we have written at length on the subject in a previous issue, we do not feel we should make any excuses for again referring to it. It is a subject dear to the heart of every American.

Although Decoration Day was the outcome of struggles between North and South it is no longer remembered as such. They were Americans brave and true on both sides, and neither can claim a monopoly of the finer feelings of human nature which portray themselves in love and remembrance. Nay, be the hero dressed in grey or blue, his heart was the same—it was brave and true, and whether their last resting place be the Sunny South or the Chilly North, Mother Nature covers them alike with her mantle of green. There was no sectionalism in our war with Spain; there was no stopping to consider on which side of the Potomac we were living. A common duty demanded from all the same attention, and we know the result.

If we presume to be Nature's best artists, to cull and arrange and offer the most beautiful gems Mother Nature can produce, then we should be imbued with some of those sentiments, those feelings which the flowers them-

selves seem to be able to instill into the hearts of all. We cannot rightly claim to improve Nature unless we fill out Nature's full intent; that we do not do when we stand idly by and indifferently witness the nation's gratefulness on Memorial Day. Arlington with its grassy mounds, its granite shafts, its known and unknown, nevertheless illustrious, should be a spot dear to the hearts of the members of the Society of American Florists; and how little it would require to show that such was the case. But though this would appeal to all in a national sense, still the states, the cities, the towns, the villages, yes even the individuals, should do their part.

When we sat down to write on this subject it was our intention to merely give a few rough suggestions on the usage of seasonable flowers. A picture of a soldier's grave in the far away Philippines lay before us, and its influence was greater than the ribbon or the bouquet worn by dame fashion in New York. This is not an apology. It is only a reason given why we consider the matter so important, yes all important to the retail florists of this country. We admit we are egotistical enough to consider the retail florists of this country as the most necessary part of our business, because it is they who make the market, and yet they seem often indifferent to the importance of their position.

The principle guiding the decoration of graves was fully dealt with in The

Review of May 4th. And now although the usual crop of outdoor flowers here in the north will be a little backward, still nature is so persistent in holding before our eyes such an abundance of beauty, that looking at the matter apart from its money aspect, we cannot help but answer her appeals and twine together her garlands of love for the brow of bravery. And what you do, do it well. If you cannot reach the richer flowers or palms use the lowly ones, for they are just as sweet. Flowers lose most of their beauty and meanings only when they are gnarled and disfigured. Better to take the flowers and arrange them loosely or tie in a simple cluster than attempt to construct them into some awful conglomeration.

It is most unfortunate that we have no national flower (what a pity 'tis Dewey did not deck the Olympia with something we could adopt), but we have a glorious flag and round that flag we can twine garlands of loveliness peculiar to this land of ours. Look around and behold all the grandeur of the woodlands, the splendor of our gardens, do they not provide every tint and tone, delicate and brilliant? It is true yonder flower may be past its best, but here are twenty to take its place. To enumerate a list of available or suitable material is not our purpose, for it all lies before you. Keep artificial rubbish out of it. A poor intelligence only is required in the manufacture of some pancake design, but it needs the highest you may have in you to create the ideal of simplicity in its most beautiful forms.

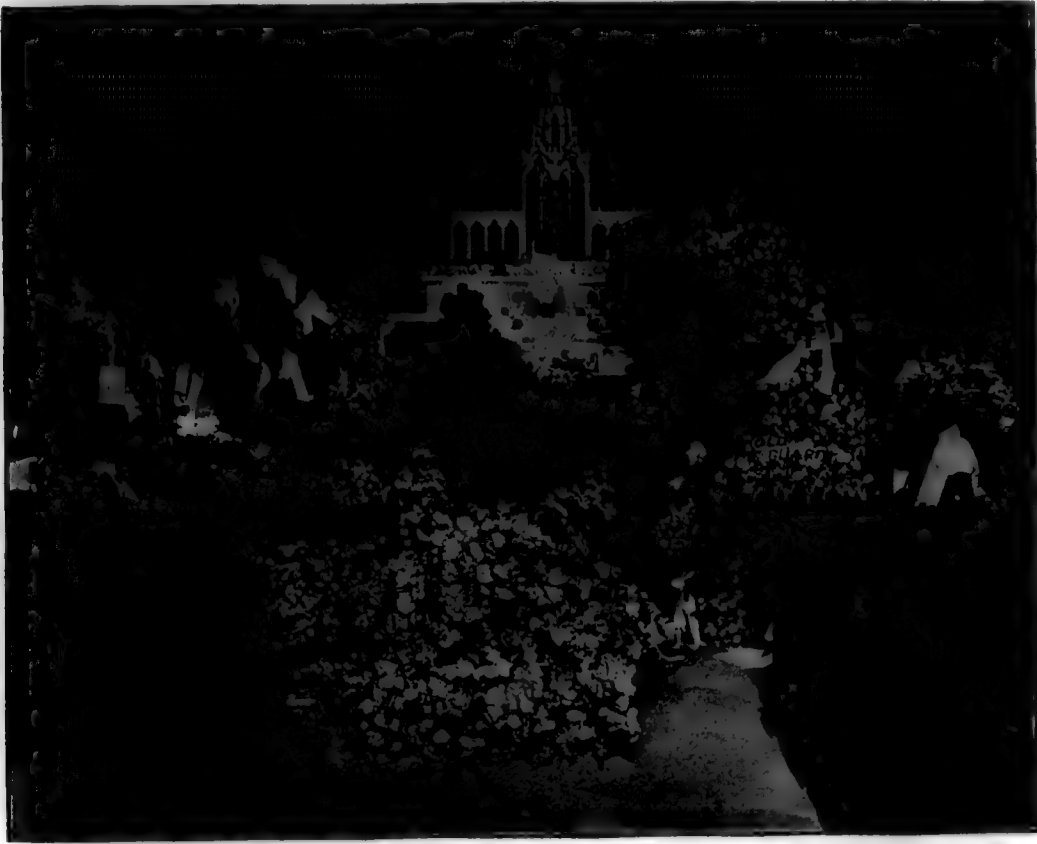
And now let us turn to another side. Decoration Day is the second greatest holiday we have. Although a great number of parties are formed to better dispense and enjoy pleasure, whatever floral decorations are used are mostly informal. Very little business is done anywhere in the afternoon, and we would suggest that you put an American flag in your window, lock the door, and let your employes partake of some of the pleasures of the day.

IVERA.

ROSES FOR MEMORIAL DAY.

S. S. P. asks: Will not the roses Kaiserin A. Victoria, Pres. Carnot and American Beauty force well for Easter and Memorial Day if treated exactly the same as H. P. roses; also could they not be got in for Christmas? What would be the best course to pursue with the above varieties, to start now for the season of 1900.

The above mentioned varieties will most assuredly respond to the same treatment as is usually given H. P. roses when wanted for Easter and late spring blooming. Like growing on H. P. roses for certain occasions when the demand for them is greatest, it is simply a matter of getting your plants started on time, so as to give them every advantage to develop their growth and bloom under natural conditions; thus insuring that high



Some of the Floral Designs at the funeral of Ex-Gov. R. P. Flower, St. Thomas Church, New York City, May 15.

quality of bloom, so much sought after and so rarely found during times when good prices could be realized for them.

The usual time allowed for H. P. roses when growing them for early spring flowers, is 10 to 12 weeks. Varieties of the H. T. class, such as La France, Souv. de Pres. Carnot, Kaiser-in Aug. Victoria, etc., will not require the full time limit, but can easily be flowered in 8 to 10 weeks without unduly hurrying them. As these varieties are very free summer bloomers, they could be flowered for Easter, and would be in with another crop for Memorial Day. To get these same varieties (including American Beauty, which some call a hybrid tea, but we think should be classed with the H. P.) into bloom for Christmas; secure strong 3 or 4-inch plants; about June 15 plant them on shallow raised benches in 3 or 4 inches of good rose soil, and treat them just the same as you will handle tea roses for winter blooming. Keep all buds picked off until about October 15; from this date on let the buds come on, and you will have a good crop of flowers for the holidays, with every prospect of a good supply during early January, when they always command high prices. After cutting the full crop of flowers, let the temperature of the house drop 6 to 8 degrees, allowing the plants to break slowly. If the next crop is wanted for Easter the plants could be carried along in a temperature of 45 degrees at night and 50 or 55 degrees during the day until within eight weeks of Easter, when the temperature should be raised a few degrees until in about two weeks they should be breaking freely and could stand the regular night temperature

of 55 degrees, with 10 or 15 degrees higher during the day. It is needless to say during their semi-dormant condition they will not require much watering; the object being to hold the plant with all its foliage in good condition ready to start into growth whenever they may be wanted.

After the Easter crop is cut the plants can be kept growing right along and will produce continuously all through the summer, if desired.

Whether it pays to devote one's time and attention to growing crops for the holidays, exclusively, is a matter for every grower to decide for himself. The fact that stock is always scarce during these times, and prices reach their highest limit, would seem to hold out a strong inducement for devoting one's attention along these lines.

S. A. B.

CARRYING IN SOIL.

Mr. J. A. Budlong, the Chicago rose grower, who has recently added three new houses, each 22x300, at his place in Bowmanville, has been experimenting with methods of filling his rose benches with soil.

He made a movable track in sections, of very light T rails, which was placed across the walk, the ties resting on the edge boards of the benches, and had built a long narrow dump car that would pass through the door at the end of the house. The car held about four wheelbarrows full of soil.

The original plan was to pick up the soil with a horse scraper and carrier, such as is used in road making, and carry it onto a platform from which it could be dumped into the car,

but this was abandoned as it was seen that it injured the soil.

The car was therefore loaded by four men with shovels, the four pushing it up the incline and into the house, when one man could push it to the proper place, dump the soil and return the car.

To get an accurate comparison of results he had a portion of a house filled by men with wheelbarrows. He found there was but little in favor of the car as regards cost, and that what was gained in one way was largely lost in another, to say nothing of the investment in the track and car, which was about \$100. He will use the outfit in filling the remainder of his houses, now he has the investment made, but is convinced that there is no saving through the use of such apparatus.

NEW YORK.

Market Conditions.

If you happen to be near a ferry or railroad depot any morning this time of the year you will notice the passengers carrying great bunches of all manner of blossoms to the city. This of course greatly reduces the demand for flowers at the florist's store, and how can you blame the public? A spray of lilac glistening with dew in one's own garden is just as lovely to them as the orchid in a city glass case, and that same lilac seems never to have been so abundant as it is this year. Paeonies are coming in, and there are mountains of narcissus and outdoor valley in the market.

The following are a few of the prices prevailing, though quantity buyers can name their own figures: Maids, Brides and Meteors, specials \$3 to \$5, ordinaries 25 to 75 cents; carnations, fancy \$1 to \$2; ordinaries 25 to 50 cents; Jacques \$5 to \$8; valley (outdoor) 50 cents to \$1.50; cattleyas \$30 to \$40; narcissus 15 to 25 cents; lilac 15 to 25 cents; asparagus 40 to 50 cents; bunches 15 to 25 cents; smilax \$15 to \$20; and so on.

Plant growers are preparing for an unprecedented Decoration Day business, and if the weather keeps fine the indications are they will not be disappointed. The most of the plants are retailed from the smaller stores and peddlers' wagons.

The Gardeners' Society.

The New York Gardeners' Society will hold their last meeting for the season at Terrace Gardens, 59th St. and 3rd Ave., Saturday, June 10. There will be a strawberry show at this meeting. For best 3 quarts, 3 varieties, \$3.00 and \$2.00 are offered; best 2 quarts, 2 varieties, \$2.00; and best 1 quart of Sharpless \$2.00. There will also be an interesting show of cut flowers.

The finest bowling alleys in the city are here and they have been engaged for the night. The committee have arranged for a friendly game and a general good time.

The Florist Club.

May 22nd was Ladies' Night at the New York Florists' Club, and a very enjoyable evening it was too. None enjoyed it more than the cluster of newspaper men who sat in one corner. It was quite a novelty to see pretty girls in handsome dresses in the old room, where 'tis customary to see only the broad brows of intellect and hear the dry debates on some hypothetical question in floriculture. We are sorry there are not more such nights and we wonder why a summer outing is not arranged for.

Prof. Elson of Boston, delivered a most entertaining lecture on "Songs of the Sea." The professor is a thorough master of music. He handled the subject in an easy, intelligent and sympathetic manner, adding to his amusing reminiscences and anecdotes the pathos of sweet melody. His program consisted of Songs of many Seas, and they were sung in many languages and were very much appreciated. Miss Mary Y. Esler, aged six years, daughter of J. G. Esler, gave several recitations and sang some songs. The little girl is a wonder; her elocution and knowledge of music was remarkable; the little lady will be pleasantly remembered by those present. Messrs. W. J. Stewart, Alex Wallace, Chas. Plumb and Wm. Plumb rendered several old favorite songs. J. P. Cleary attended to the piano, whilst most of the ladies and gentlemen indulged in dancing; light refreshments were served during the evening.

Among those present were noticed Mr. and Mrs. Wm. Plumb, Mr. and Mrs. S. Henshaw, Mr. and Mrs. W. Prosser, Mr. and Mrs. W. H. Sheridan, Mr. and Mrs. J. G. Esler, Mr. and Mrs. J. Birnie, Mr. and Mrs. A. Herrington, Mr. and Mrs. F. L. Atkins, Mr. and Mrs. Chas. Weeber, Mr. and Mrs. J. W. Withers, Mr. and Mrs. Chas. Millang, Mr. and Mrs. C. H. Allen, Mrs. and Miss Berger, Mr. Thos. Young, Miss Stead, Mrs. and Miss Leinhardt, and a miscellaneous lot of male wallflowers, bachelors, etc.

IVERA.

BOSTON.

The Market.

A continuation of the extreme dullness has been the state of the cut flower market during the past week, with, however, a little better feeling during the last couple of days; probably due to the proximity of Decoration Day, and the unseasonable weather which has a tendency to shorten the daily cut. It is still difficult to give thoroughly reliable quotations. There are daily a vast range of prices, which, to a great extent, depend on the ability and personality of the salesman.

Roses show the result of the cold weather, and run small in size, and in many cases with mildewed foliage. Brides and Maids are quotable anywhere from \$1 to \$10 per 100; Kaise-

rins will, if good, bring \$1 per dozen; Meteors, from \$2 to \$6 per 100; Beauties, from \$2 to \$20 per 100. Carnations show at from 50 cents to \$2 per 100; violets out of the market; lilies, from 50 cents to \$1 per dozen; callas, the same; bulb stock about done; valley, \$2 to \$3 per 100; sweet peas, 50 cents to \$1 per 100.

The News.

The plant trade, owing to the unusual cold season, has not been up to the average at this time of the year.

The outlook for flowers for Decoration Day seems rather poor; there will be very little out of door stuff, and quite a lot of suburban shippers use up their own flowers, thus withdrawing quite a quantity of stock from this market.

E. G. Sterne & Co. have opened a very neat looking store at 1 Ordway Place.

The Wax Brothers are bound to enjoy themselves with some of the profits of the "Imperial Violets," and are trying to persuade the "speckled beauties," up in Maine, that there is money in flowers.

Tim Waters, formerly with the Crowl Fern Co. as selling agent, has gone back to his original situation at McCarthy's.

Walter Mott, of Philadelphia, has been a visitor about the "Hub" during the past few days. P.

CHICAGO.

The Market.

Business has been considerably better than last week. The supply has kept up very well and though a goodly share has been only fair in quality everything seems to move. Many of the rose growers have suffered damage from thrips.

There is some diversity of opinion as to the supply for Decoration Day, some fearing a shortage, but the majority look for a generous stock of everything except smilax and possibly white carnations. At the same time several report that orders already received will take their whole cut. The magnitude of the supply will depend a good deal upon the weather during the next few days. Hot, sunny weather would bring on some big crops, but there seems no danger of a surplus anyway, as all agree that the supply of outdoor flowers will be very light.

Club Meeting.

At the last club meeting the most interesting feature was a talk by Mr. W. G. Bertermann, of Indianapolis, on what he saw during his seven months' stay in California, from which state he was on his way home.

He said that the California florists have their troubles, too, and they found the competition from the Italian florists quite serious at times. He spent most of his time near Monterey and told of the work of the gardeners at the Hotel del Monte in decorating

the grounds about the hotel, which must be kept in condition the year around. He saw some of the sweet pea fields at a distance and said the stripes of color made a very pleasing sight. Two dry seasons in succession had made the Californians feel rather blue, but recent rains have raised their spirits considerably.

He found the Japanese garden in Golden Gate Park, San Francisco, very interesting. It occupies about three acres of space and is a relic of the mid-winter fair of some years ago.

There being no essayist for the evening, the discussion on bedding plants failed to get a good start. One new member was elected.

Various Items.

Paul Kopanka is now foreman for John Muno at Rogers Park.

Remberg Bros. are adding 225,000 feet of new glass and rebuilding 100,000 feet.

McKellar & Winterson are showing some sheet moss in remarkably large sheets. They had one piece 14 feet long.

Mr. C. C. Pollworth, of Milwaukee, passed through the city last Monday, returning home from a two months' trip on the road.

Geo. W. Gaskill and daughter Laura, of Warren, O., called on the trade here last Monday, being on their way home from Salt Lake City, where Mr. Gaskill has been looking after mining interests.

The Albert Fuchs Floral Company, by its president, Alexander Kappenback, and its secretary, Max Koelling, has sold to Albert Fuchs the entire business and plant of greenhouses and stores at Evanston avenue and Halsted street, Lake View, and at 459 East Division street, and all interest in the land, for a consideration of \$25,000.

Bowling.

Some remarkably variegated scores were made at the adjourned session of the last club meeting. Here they are:

	1st.	2nd.	3d.	Av.
P. J. Hauswirth.....	161	169	163	164
Jno. Degnan	158	133	189	160
G. L. Grant.....	128	133	191	150
E. F. Winterson.....	155	130	125	138
Chas. Hunt	85	160	130	125
A. Henderson	163	86	89	112
C. Schweigert	112	120	105	112
M. Barker	56	128	109	97
D. F. Hawkes.....	85	86	97	89
R. Kelday	106	75	80	87
W. Bertermann	64	88	90	80
R. Mueller	50	56	...	53

The second set of games in the prize series will be played next Friday evening. On this occasion the Hon. Geo. Asmus will receive the splendid gold medal won in the last contest.

POT LILACS.

The accompanying engraving is from a photograph of a display of pot lilacs at the Horticultural Exposition held in Hamburg in 1897 and shows how the German florists bloom the lilac in various forms. The collection



Display of Pot Lilacs at the International Horticultural Exposition at Hamburg.

shown contains quite a number of varieties forced into bloom at a given date to appear in this exhibition.

The lilac is an important trade plant with the Germans and they have them in bloom as early as February, while very large quantities are disposed of at Easter.

ST. LOUIS.

The Market.

The demand continues very light and irregular. Prices on almost everything are trending downward. Stock was very abundant the past week and of poor quality.

Beauties, fancy, sell at from \$2 to \$3 per dozen; Meteors, Brides, Maids, Perles, first choice, sold at \$2 and \$4; seconds \$1 and \$1.50. A great many of the latter were sold to fakirs, in 1,000 lots, who divided them amongst themselves. Carnations are very plentiful, the best choice stock sold at \$1; common as low as 50 cents; reds are more plentiful than others. Paeonies are also very plentiful and the ordinary pinks and reds are down to \$1 and \$2; whites seem the best. Those coming in are fine, but of course will soon be over. Most of them come up from the south and Decoration Day will see them a thing of the past. Snow-balls and lilac are past and no one is sorry. A few cape jasmines are seen and will be very plentiful before long. Sweet peas are rather poor and an off color; some can be bought for 50 cents, but

the best still sell at 75 cents; corn-flowers are little called for; price 25 and 30 cents per bunch; valley has a good call but scarce; Harrisii are about all cut out and only a few calls are now to be had; smilax still sells well at \$15 per 100 strings.

Decoration Day prices go into effect on the 29th. They may improve prices somewhat, but business on that day is not much in the west, especially St. Louis, as mostly cheap out-door stuff is used.

Club Meeting.

The next meeting of the Florists' Club will be held June 8 at 3 p. m. As the last meeting was very poorly attended President Sanders expects a large attendance, owing to the fact that some very important matters will come up. The preliminary list for the next chrysanthemum show will be distributed among the growers, the picnic committee will be appointed; and matters pertaining to the next meeting of the S. A. F. convention.

It is said that the Florists' Gun Club will resume practice soon, as they expect to have a team ready for the Detroit meeting.

Notes.

The firm of Pfeffer & Rotter, of 3036 Easton avenue, have dissolved partnership. Mrs. Pfeffer will, hereafter, run the place in her own name.

Thompson, Anderson and Kennedy's crew of workmen, left last week for Toledo, Ohio, to start work on a range

of greenhouses, the contract price of which is \$30,000.

The Shaw flower sermon was delivered last Sunday morning at Christ Church Cathedral. Henry Shaw, the philanthropist, in his will left a sum sufficient to defray the expense of a flower sermon annually.

W. C. Oughton died at his residence, 1910 South King's Highway, on Saturday night, aged 71. Mr. Oughton was the father of J. R. Oughton, of the Oughton Floral Co., at 2736 Washington avenue.

Bowling.

The bowling club had a better attendance Monday night. The rolling was an improvement over last Monday night, but still not what is expected of some of our best bowlers. The scores were as follows:

	1	2	3	4	5	Tot.	Av.
Carl Beyer	126	183	186	173	106	834	167
C. A. Kuehn.....	145	158	166	177	146	792	159
C. C. Sanders....	123	167	172	198	117	778	156
J. W. Kunz.....	155	157	136	150	118	718	144
John Young .....	...	130	156	120	165	571	143
J. J. Beneke.....	130	119	159	126	132	666	133
F. J. Fillmore....	91	147	108	144	119	609	122

J. J. B.

BUFFALO.

Business Conditions.

It looks as if our plant business would all come with a rush. The good and sensible intention of filling up geranium beds the middle of May or as fast as you get the order won't work according to programme, because we

have had several white frosts of late, and some of them are a little more than white, for there was one morning last week that we picked up ice half an inch thick. This spell of dark cool weather shortened up the carnation crop in great style. From the "popular" price of ten cents they have jumped to 40 and 50 cents. In most carnation houses the fires are out and the shade on, hence the extraordinary shortening of crop. It suits roses, with fire and light, all right and they have again assumed their February look. Two weeks ago they began to look very Juney. Sweet peas have sold well all this spring, in fact the supply has not kept pace with the demand. Growers should plant more of the varieties that are in demand. Blanche Ferry is too familiar; people want distinct colors. The Daybreak pink, pure white and light lavender are the varieties that sell.

Lilac will be all gone and tulips will be on their last legs, or rather stems, snowballs will be just right, but altogether there will be a scarcity of flowers for Decoration Day unless we get a few warm days to help our carnations open.

Visitors.

There have been a few travellers in town of late. Mr. Barclay is getting to be almost as constant a visitor as Mr. Mott. I don't know what the attraction for Mr. B. is, petticoats or mountain dew, perhaps both. Mr. Coakley, of Scranton, was persuading us his wire work was better than our home make. Herr Martin Reukauf, of Bayersdorfer & Co., came in on a carload of wheat, and "Blawst my eyes Alf. Dimmock, you know," who is growing very cosmopolitan, hovering as he does continually between the two hemispheres. He starts off in London English, dips into French, back again to the Bowery, and winds up with that most horrible of all white men's lingo, Flemish. The pure Flemish, like the bagpipes, is healthy to those who are subjected to it. If you get over the first shock.

The Bagpipe.

Queen Victoria's great age and health is largely attributed to her almost constant exposure to the bagpipes. It is a cure for dyspepsia. The Sepoys found it more deadly to their ranks than leaden bullets. People who subsist on a vegetable diet are often screwed up with abdominal cramp at the first bray of the pibroch. Strange that Scotchmen should transport the music of their native hills into a flat country. The bagpipe is only adapted to a mountainous country where the audience can be on one side of the hill and the instrument on the other. Strange the difference in effect on different temperaments. Some men strut like a banty rooster when under its influence, while a New England widow of our acquaintance is always moved to tears. She says it puts her in mind of her husband, who was eaten by a

crocodile off the west coast of Africa. Where the connection comes in the poor woman has kept, like her age, a secret. W. S.

CATALOGUES RECEIVED.

C. A. Kuehn, St. Louis, Mo., price list of Walker's Excelsior Brand of fertilizer; David G. Yates & Co., Phila., deciduous and evergreen trees, shrubs, vines, etc.; Royal Tottenham Nurseries, Ltd., Dedemsvaart, near Zwolle, Netherlands, hardy and rare perennials, ferns, aquatics, etc.; Benj. Hammond, Fishkill-on-Hudson, N. Y., slug shot and French bordeaux mixture; H. P. Kelsey, 116 Tremont Bldg., Boston, Mass., hardy American plants and Carolina mountain flowers; Geo. B. Moulder, Smith's Grove, Ky., water lilies; Herb & Wulle, Naples, Italy, seeds and bulbs; Ellis & Pollworth, wholesale price list of bulbs, azaleas, hardy roses, etc.; H. W. Gibbons, 132 Liberty street, New York, greenhouse building and heating.

Suburban Equipment Co., 17 William street, New York city, greenhouse material; R. Vincent, Jr., & Son, White Marsh, Md., vegetables and other plants; J. C. Meyer & Co., Boston, Mass., silkline; C. P. Lincoln, 54 Arch street, Hartford, Conn., silver fern dishes and the Queen adjustable plant stand; Lord & Burnham Co., Irvington-on-Hudson, N. Y., greenhouse building, heating, ventilation, etc.; L. Boehmer & Co., Yokohama, Japan, Japanese trees, shrubs, plants, seeds, etc.; Regan Printing House, 87 Plymouth Place, Chicago, fine printing.

"HOW TO GROW Chrysanthemums" is the title of a useful paper covered book issued by the publishers of American Gardening, 132 Liberty St., New York City, price 25 cents. There is a calendar of operations for each month in the year, and chapters upon growing bush plants, general management, fertilizers and manures, fungous diseases, seed saving and plants for the garden. There are fifteen illustrations.

WE WOULD LIKE very much to have a complete and accurate list of the names and addresses of the florists of America and to this end will ask each subscriber to kindly send us an accurate list of those in the trade in his or her city or town. By complying with this request you will confer a great favor on the publishers.

IF YOU DO a wholesale business, you should not fail to have an adv. in the Florists' Manual, by Wm. Scott. Write for circular giving rates, etc.

COLUMBUS, OHIO.—The firm of A. W. Livingston's Sons has been succeeded by the Livingston Seed Co.

HOUSTON, TEXAS.—T. H. Thompson & Co. have added a wholesale seed department to their business.

PACIFIC GROVE, CAL.—By mutual agreement the firm of O. Noda & Co. have dissolved partnership, O. Noda retiring. The business will be carried on, as heretofore, by N. Imajo.

IF YOU HAVE anything to sell to the trade, offer it in an adv. in The Review.

WANT ADVERTISEMENTS.

Advertisements under this head 10 cents a line, an average of seven words to the line.

SITUATION WANTED—By a first class florist, 15 years' experience in growing ferns, palms, carnations, roses and general stock; also a first class decorator, designer and salesman. Address B. C., care of Florists' Review.

WANTED—Two plain and one variegated Century Plants, 5 feet diameter. Write price delivered on board boat in New York City. H. T. & A. H. Funnell, Huntington, N. Y.

FOR SALE CHEAP—Hitchings Hot Water Boiler No. 15, with 250 ft. 4-in. pipe and four valves, in A condition. Address C. J. Benz, Conshohocken, Pa.

FOR SALE—75 boxes of glass; will sell in small lots. Also one hot water boiler. Address I. N. Partridge, Sycamore, Ill.

SITUATION WANTED—By single man, 34, Swiss, sober, steady; 18 years' experience, palms, roses, carnations, mums and general greenhouse stock; also well up in landscape gardening; commercial or private place; good references. Address W. R., gardener, 382 Clarkson Street, Flatbush, Brooklyn, N. Y.

SITUATION WANTED—A first-class florist, grower, decorator and designer wishes to make a change; 15 years experience; age 30, single. Address R. S., care Florists' Review.

SITUATION WANTED—By trusty, first-class all round florist; 18 years experience, private and commercial; 9 years at last place; competent to take charge. Address Gardener, care Florists' Review.

FOR RENT—16,000 feet of glass within 12 miles of Chicago court house; fairly good condition; some houses new; new boiler; long lease. Address C. N., care Florists' Review.

FOR RENT OR SALE—First class retail stand, 5,000 feet of glass. New. In city. Ought to net good man at least \$3.00 per day. Must buy stock, about \$500.00. Reason for selling, failing health. Address "Illinois," care Florists' Review.

FOR SALE—Four greenhouses, nearly new. Good retail stand. A. CLAUS, Springfield, Ill.

SITUATION WANTED—An up-to-date cut-flower artist, designer and decorator, second to none and a good salesman, now with one of the best firms in the country, wants to make a change; best of reference. For full particulars, address E. V. O., care of Florists' Review.

For Sale Residence and greenhouses; about 9,000 ft. glass; hot water heat; all stocked; fine show room; good house trade; 6 miles from Boston on line of electric and steam roads; house heated with hot water; electric lights and all improvements; 25,000 ft. of land. Would exchange for property in western New York. Address Mrs. A. M. BUGBEE, Box 167, Atlantic, Mass.

WANTED....

Several men as helpers in our rose houses. Apply ready for work to **BASSETT & WASHBURN,** Hinsdale, Ill.

BUSINESS OPPORTUNITY.

A rare opportunity is open to a hustling business man with some capital to get into a well established and profitable business. A chance of a life-time. Those meaning business may obtain particulars by addressing

ROX, care of Florists' Review.

Do not neglect an opportunity to Save Money!

Obtain at once our prices on Glass, Pipe, Valves and Fittings, Boilers, Paint and Putty, and all material pertaining to the construction of greenhouses.

You will do so considering that we are advantageously located and in daily communication with the most prominent glass and pipe manufacturers in the country.

THE INTERNATIONAL GROWERS' EXCHANGE, PITTSBURG, PA.

Mention The Review when you write.

BIG CUT...

To make room for Rose stocks.

10,000 DOUBLE FRINGED PETUNIAS, Dreer's latest set, the finest to be had, strong, bushy plants, in bed and bloom, 2 and 2½-inch, at \$1.50 and \$2.00 per 100.

5,000 MAMMOTH VERBENAS. Our challenge collection, nothing finer, strong, 2-in., \$1.50 per 100.

5,000 COLEUS, a very choice collection, 2 and 2½-inch, at \$1.50 and \$2.00 per 100. Heliotrope, Ageratum (White and Blue), Giant Alyssum, New Golden Marguerite, 2 and 2½-in., at \$1.50 and \$2.00 per 100; 3 and 4-inch, \$3.00 and \$4.00 per 100.

GERANIUMS. Strong, 2-inch, at \$2.00 per 100.

ROSES. The finest plants in the market. Brides, Meteors, Maids and Perles, \$3.00 per 100; Beauties, \$5.00 per 100.

CUT CARNATIONS, long stems, all colors, \$1.00 per 100.

NASTURTIUMS. Fancy new varieties, dwarf and climbing, \$1.50 per 100.

PANSIES. From cold frames. Big plants full of buds and blooms, the finest in the market. \$2.00 per 100. Terms strictly cash with order. Send for list.

SOUTH SIDE FLORAL CO., - Springfield, Ill.

Mention The Review when you write.

Decoration Day ...Plants...

Per 100
Rudbeckia Golden Glow, 3½-in. pots.....\$4.00
Statice Armeria, Sea Pink, covered with buds,
3½-inch..... 3.00
Ageratum, white, 3½-inch, in bloom..... 3.00
Double Daisies, in full flower..... 1.00
Coleus, in variety, 2-inch, bright colors..... 1.50

CASH PLEASE.

EDWARD B. JACKSON,
STAMFORD, CONN.

Mention The Review when you write.

THE FLORISTS' MANUAL By WILLIAM SCOTT Price, \$5.00.

It will cover the whole field of Commercial Floriculture, the articles arranged alphabetically, encyclopaedia style, so reference may be quick and easy. It will be a whole library in itself, and will tell you just what you want to know in just the way you want to be told. It will be the standard work of reference for the trade.

**Will be Ready for Delivery
in June.**

SEND IN YOUR ORDER NOW. Payment need not be made until book is ready.

FLORISTS' PUBLISHING CO.,
520-535 Caxton Building,CHICAGO.

Greenhouse Woodwork

Open-air-dried Cypress Lumber is more durable, and better suited to Greenhouse conditions than kiln-dried stock. But you cannot get it from those that are engaged in the business in a small way—even though their entire business is confined to greenhouse material—for it takes a long time for the lumber to thoroughly dry and this means an investment in lumber that only those of large capital can make. The only way to have air-dried lumber is to buy green lumber and hold it until it dries. Those that order dry lumber from the producers of Cypress get kiln-dried stock. It is cheaper for them to kiln-dry than to hold the stock long enough to season it in the open air. We carry a large stock and fill all orders with open-air-dried Cypress clear of knots, sap and all other defects.

WRITE FOR CIRCULARS
OR ESTIMATES.

Lockland Lumber Co.

LOCKLAND, OHIO.

Mention the Review when you write.

M. RICE & CO.

NEW ILLUSTRATED CATALOGUE
FOR THE ASKING.

Exclusive Importers and
Manufacturers of

Florists' Supplies

25 N. Fourth Street, PHILADELPHIA, PA.

Mention The Review when you write.

Roses and Chrysanthemums

Extra fine, clean stock, guaranteed to please, 3-inch Brides and Maids, \$4.00; \$35.00 per 1000. 2½-in. Meteors, \$3.00 per 100; \$25 per 1000.
Leading 'Mums: Yellow—Bonnaillon, Modesto, Johnson, Jones, Golden Trophy, Emil Buettner, Sunderbruch, Rieman, Maud Adams, W. H. Lincoln, Yellow Queen, Golden Wedding, Henderson, Pink—Perrin, Ivory, Jones, Vivian—Morel, Murdock, Glory of the Pacific, Marquis de Montmort, White—Mayflower, Geo. S. Kalb, Ivory, Robinson, Jones, Iron Woodford, Gretchen Buettner, Schrimpton, Lottie Berry, Minnie Wanamaker, Fitzwygram, Bergmann, Red—Mrs. J. H. Weeks, Defender. 2½-in., \$2.50 per 100; \$20.00 per 1000.
Address

POEHLMANN BROS.,
Cook County. MORTON GROVE, ILL.
Mention The Review when you write.

ANOTHER RAISE.

The American Glass Co., the combination of window glass concerns, has issued a new list, advancing the price of glass 5 per cent. to go into effect June 1.

PEACOCK'S New Dahlias

For 1899—Best New Varieties.
Best Old Varieties.

Send for our New Illustrated Trade List before ordering elsewhere.

Peacock's Dahlias always received highest awards over all competitors. Forty-six first prizes out of forty-nine entries during past four years—an unequalled record.

Best New and Standard Carnations—

Beautifully illustrated and accurately described in our Trade List. Send for copy.

Surplus Stock of Mixed Dahlias—

At right price. Also Dahlias under color. Correspondence Solicited.

W. P. PEACOCK, - Atco, N. J.

Mention The Review when you write.

BUY YOUR supplies from the advertisers in The Florists' Review, and thereby increase the earnings of your certificate.

Mention The Florists' Review when writing advertisers.

E. H. HUNT

THE "OLD RELIABLE" FOR

**Wholesale
Cut Flowers**

Hunt's Flowers Go Everywhere.

76 Wabash Ave. CHICAGO.

Mention the Review when you write

TRENTON, N. J.

C. Ribsam & Sons, one of the leading growers of this place, are going out of the nursery business and will hereafter grow cut flowers and bedding plants, as they think there is more money in them than in growing nursery stock. They have about 70,000 feet of glass which will be rebuilt and more glass added.

Geo. Wainwright, one of Trenton's oldest florists, has about 12,000 feet of glass and grows a general line of cut flowers and bedding plants. He also handles quite a number of trees. Mr. Wainwright says that the old Cornelia Cook and La France does exceedingly well with them. He also grows a few Kaisersins and Bridesmaids. In carnations he grows McGowan for white; Scott for pink and Portia for red. Rex Begonia is one of his hobbies and he grows it well.

The Trenton Floral Co. has a plant which consists of 40,000 feet of glass, which is devoted largely to the growing of cut flowers. They intend putting up two large double span houses 30 by 260, which will be devoted to growing palms. The Trenton florists, in general, report this spring as being a very good one. R.

SOCIETY OF AMERICAN FLORISTS.**Plant Registration.**

Mr. W. A. Manda registers Cypripedium insigne var. Mrs. G. B. Wilson. Described as follows: Habit strong; leaves long, light green color; flowers large, well formed; dorsal sepal yellow, with a few indistinct embossed-like marks; petals long and yellow; lip rather pointed, shining and of a bright yellow color; the brightest of the yellow types yet introduced.

WILLIAM J. STEWART,
Secretary.


WHOLESALE FLORIST,

11 West 12th Street, Cincinnati, O.
CUT FLOWERS. FLORISTS' SUPPLIES.
CONSIGNMENTS SOLICITED.

Mention The Review when you write.



REINBERG BROS.

600,000
FEET
OF
GLASS.No
charge
for
packing.Wholesale
Growers of**Cut Flowers**

We can fill all orders on short notice with all leading varieties of Roses and Carnations. We are headquarters for fine

AMERICAN BEAUTIES.**51 Wabash Ave., CHICAGO**

Mention The Review when you write.

DECORATION DAY PRICES

In effect May 25.

AMERICAN BEAUTY

Extra long stem... per doz.	\$3.00
24-inch stem.....	2.50
20 " " " " " "	2.00
15 " " " " " "	1.50
12 " " " " " "	1.25
8 " " " " " "	1.00
METEOR per 100,	4.00 to 6.00
BRIDESMAID	4.00 to 6.00
BRIDE	4.00 to 6.00
PERLE	3.00 to 5.00
CARNATIONS	1.50 to 2.00
" fancy " "	3.00 to 4.00

Quotations subject to change without notice.
All other stock at lowest market prices.

Bassett & Washburn

76 Wabash Ave., CHICAGO, ILL.

Wholesale Growers of
and Dealers in **CUT FLOWERS**

Greenhouses at Hinsdale, Ill.

Mention the Review when you write.



Lynch
WHOLESALE FLORIST.
19-21
E. RANDOLPH ST
CHICAGO

Our prices are as low as any
and our stock superior.
We ask for a trial order.

Mention The Review when you write.

A. L. RANDALLTelephone
1496

Wholesale Florist

4 Washington St., Chicago.

In our new and enlarged quarters we are better
prepared than ever to handle your orders.

Mention The Review when you write.

WHOLESALE GROWER OF ROSES. DEALER IN
CUT FLOWERS.

J. A. BUDLONG,

37-39 Randolph St., CHICAGO, ILL.

Mention The Review when you write.

**Cincinnati
Cut Flower Co.**

416 Walnut St. Wholesale Florists
CINCINNATI, O.

Consignments Solicited.
Special Attention Given to Shipping Orders.

Mention The Review when you write.

W. A. MANN.
FRANK W. BALL.**C. A. KUEHN** WHOLESALE
FLORIST

Cut Flowers and Florists' Supplies.

Manufacturer of the Patent Wire Clamp Floral
Designs. A full line of supplies always on
hand. Write for catalogue and prices.

1122 PINE STREET, ST. LOUIS, MO.

Mention Florists' Review when you write.

**H. G. BERNING,**(Successor to
St. Louis Cut Flower Co.)**WHOLESALE
FLORIST,**1322 Pine Street,
ST. LOUIS, MO.

Mention The Review when you write.

ELLISON & TESSON,

WHOLESALE SHIPPING

FLORISTS

3134 Olive Street, ST. LOUIS, MO.

...Home Grown Stock...

Mention The Review when you write.

**Maplewood Cut Flower and
Plant Co.** GEO. M. KELLOGG, Pres.

Growers of **CUT FLOWERS** at Wholesale.

Regular shipping orders given special attention. We
have the largest plant west of Chicago.

Store: 906 Grand Ave., KANSAS CITY, MO.
Greenhouses; Pleasant Hill, Mo.

Mention The Review when you write.


Laelia Anceps Alba,

Just arrived in fine condition.

L. Anceps and L. Autumnalis expected shortly.

Lager & Hurrell, Growers and Importers.... Summit, N. J.

Mention The Review when you write.

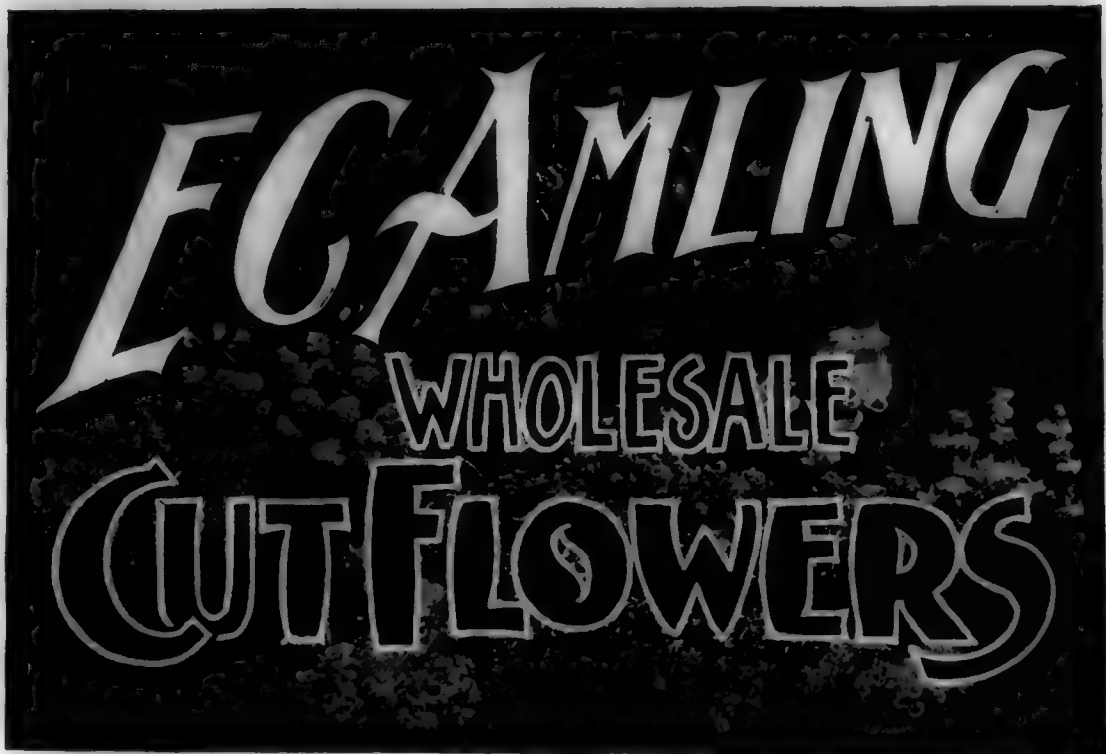
Prompt
Service

Satisfaction—
—Guaranteed

Careful
Packing



A
Fair
Supply
of
High
Grade
Stock



PRICE LIST--Taking Effect May 25.

—CHICAGO.

ROSES.

Beauties, long, per doz.....	\$1.00—
" medium, " 	2.00—
" short, " 	1.00—\$1.50
Per 100	
Meteors and Maids	\$5.00—\$8.00
Brides	5.00— 7.00
Perles	4.00— 5.00
Roses, seconds	3.00— 4.00

CARNATIONS

ARE OUR SPECIALTY.

Ordinary Varieties, fancily grown.....	Per 100 \$2.00—\$3.00
Fancy Varieties.....	3.00— 5.00

Will be in short supply in this market and may go much higher.

Miscellaneous.

Per 100	
Peonies.....	\$6.00—\$8.00
Jasmine.....	2.00— 3.00
Valley.....	3.00— 5.00
Sweet Peas.....	.75— 1.00
" white.....	1.00—
Harrisii	10.00—12.00
Callas	10.00—12.00
Forget-me-not	2.00—
Marguerites.....	.60— .75
Pansies .....	.75—
Mignonette	3.00—

Decorative.

ASPARAGUS, per string.....\$0.60—\$0.75

FERNS.

Common, Fancy, per 100, 40 cents; per 1000, \$3.50

Daggers, 25 " 2.00

Adiantum, per 100, \$1.00

GALAX.

Bronze and Green, per 100, 20 cents; per 1000, \$1.50

SMILAX, Common, per dozen\$2.00

All other flowers in season.

Above quotations are subject to change without notice. P. and D. at cost.

Extra select and inferior qualities charged for according to value.

Regardless of prices quoted all stock will be billed at lowest market rates.

Sunday, May 28, open ALL DAY as usual.

Write
for
Special
Quota-
tions
on
Large
Quant-
ities

51
Wabash
Ave.

Our Prices—
Always Right

W. S.
HEFFRON,
Mgr.

LONG DISTANCE
TELEPHONE
CENTRAL 466

KENNICOTT

Store Open Until Noon Holidays.

THIS YEAR'S CUSTOM

Note to Growers: We are always open to handling more first-class stock. Any one consigning to this market would do well to write to us, as the more control we have the better the returns. As all florists do not want A1 stock, some requiring medium grades, this gives us a chance to dispose of both ends, and therefore high averages. If you ship elsewhere, split and see the results.

PEONIES our specialty

CAPE JASMINES
For Decoration Day
\$1.00 to \$2.50
Per 100.

PEONIES our specialty

HARRISII Price \$10.00 per 100.
QUANTITY LIMITED.

**Wholesale
Cut**
42 and 44 Randolph

...PRICE

All flowers in Season at Lowest Market
We always ship extra select or high

P. AND D. AT CO

BEAUTIES, short	.....
" Fancy, fair length	.....
" " long	.....
MAIDS, BRIDES and METEORS	.....
ROSES (our selection), seconds	.....
PERLES	.....
CARNATIONS, select	.....
" good average	.....
" white	.....
PEONIES	.....
CAPE JASMINE	.....
HARRISII	.....
MARGUERITES	.....
SMILAX, scarce	.....
ADIANTUM	.....
ASPARAGUS	.....
COMMON FERNS, per 1000	\$3.00
GALAX, "	1.50

Wire Work
ON WIRE GOODS WE C
OUR OWN

Jobbers in All Kinds of D

For the convenience of our patrons we will be open ALL DAY Sunday, May 28.

BROS. CO.

We will be open
all day
Sunday, May 28

RS MUST BE OURS NEXT YEAR.

flowers
CHICAGO, ILL.

ST...
tes.
ods unless otherwise ordered.

to \$1.50 per doz.	
to 3.00 "	
to 5.00 "	
	PER 100.
.....	\$ 4.00 to \$ 6.00
.....	3.00
.....	4.00 to 5.00
.....	3.00
.....	1.50 to 2.00
.....	2.50 to 3.00
.....	4.00 to 6.00
.....	1.00 to 2.50
.....	10.00
.....	.60 to .75
.....	18.00 to 20.00
.....	.60 to 1.00
.....	
.....	\$0.50 to \$0.65
.....	.30
.....	.20

Specialty.
COUNT
NY OTHER LIST.

PEONIES Price \$4.00 to \$6.00 per 100

PEONIES our specialty

CAPE JASMINES
For Decoration Day
\$1.00 to \$2.50
Per 100.

PEONIES our specialty

Price Lists. Having been in this line for more than twenty years, we find that Price Lists are still a future forecast, and therefore quotations are only according to our best judgment. All stock is billed at Chicago market prices. We are the largest commission house in the west and represent nearly a million feet of glass, but make specialties of Brides, Bridesmaids and Meteors in Roses; Carnations, Peonies, etc.

irable Florists' Supplies.

For the convenience of our patrons we will be open ALL DAY Sunday, May 28.

MEDAL FOR NEW PLANT.

The director of the Missouri Botanical Garden desires to call attention to the fact that in June, 1893, the Board of Trustees of the garden founded a gold medal to be known as "The Henry Shaw Medal for the introduction of a valuable plant," and to be awarded each year, when practicable, for a new plant of value for cultivation, exhibited in St. Louis, as a part of the premiums or prizes to a flower show or exhibition provided for in the will of the late Henry Shaw; provided that the judges or other persons making awards at such exhibition shall certify that said medal is "awarded for a plant of decided merit for cultivation, not previously an article of North American commerce, and introduced to such commerce by the exhibitor during the year in which said award is made."

Numerous plants worthy of the award of this medal are each year introduced into the American trade, and the undersigned will at any time gladly furnish detailed information to their introducers, as to the time of holding the flower show at which they may be exhibited in competition for the medal. This year the medal will be offered as a part of the premiums placed in the hands of the St. Louis Florists' Club for award at their annual Chrysanthemum Show, to be held in St. Louis, November 14 to 18, 1899.

WILLIAM TRELEASE.

St. Louis, Mo.

KANSAS CITY, MO.

Miss Blanche Kellogg, youngest daughter of Mr. G. M. Kellogg, died from an operation for appendicitis, May 12. Miss Kellogg was in her 21st year, and was possessed of many graces and qualities that endeared her to a very large circle of friends. The funeral was held Sunday, May 14, at the family home, Pleasant Hill, Mo.

The florists of Kansas City extend their sympathy to Mr. Kellogg and his family in their bereavement. The many beautiful floral tributes and the large attendance at the funeral testified to the esteem in which Miss Kellogg was held.

H.

CHARLOTTE, N. C.—Spring trade, especially in bedding plants, has been better than any previous year. Coleus and geraniums were most in demand.

BERKELEY, CAL.—Giuseppe Verdi, the Italian florist, died May 10, aged 57 years.

BELLEVILLE, ILL.—The last will and testament of Michael Semmler, the florist, who died at his home in this city on May 5, has been filed for probate. He leaves all his estate, real and personal, to his wife, Anna Maria Semmler, for her own use and benefit, without any condition or reservation, and appoints her executrix.



REGULAR SHIPPING ORDERS RECEIVE SPECIAL ATTENTION.

Decoration Day Prices.

In effect May 25.

AMERICAN BEAUTY

Extra long stem	per doz.	\$3.00
24-inch stem	"	2.50
20 "	"	2.00
15 "	"	1.50
12 "	"	1.25
8 "	"	1.00

METEOR	per 100,	4.00 to \$8.00
BRIDESMAID	"	4.00 to 6.00
BRIDE	"	4.00 to 6.00
PERLE	"	3.00 to 5.00
CARNATIONS	"	1.50 to 2.00
" fancy ..	"	3.00 to 4.00

Mention The Review when you write.

Wholesale Growers of

CUT FLOWERS

51 Wabash Ave., CHICAGO.

We have 6000 Meteors in 2-inch pots, which we offer at \$18.00 per 1000. Fine Plants.

ROSES!

All on Own Roots.

Potted in January.

From 4-inch Pots, at \$8.00 per 100.

PERLE DES JARDINS
CLOTHILDE SOUPERT
ISABELLA SPRUNT
MAMAN COCHET
MARIE GUILLOT
YELLOW RAMBLER
BRIDE

BRIDESMAID
DR. GRILL
METEOR
MALMAISON
MARCHEL NIEL
RAINBOW

BON SILHNE
ETOILE DE LYON
MERMET
MME. C. TESTOUT
NIPHELOS
SAFRANO

From 3-inch Pots, at \$5.00 per 100.

CLOTHILDE SOUPERT, MARCHEL NIEL, BRIDE, PAPA GONTIER.

From 2½-inch Pots, at \$2.50 per 100; \$20.00 per 1000.

MRS. DE GRAW
BRIDESMAID
YELLOW RAMBLER

MALMAISON
HERMOSA
EMPRESS OF CHINA

BRIDE
CLOTHILDE SOUPERT

Dormant, 2 Years, at \$3.00 per 100.

ANNA MARIA,

EVA CORINNE,

PRIDE OF WASHINGTON.

Ampelopsis Veitchii, from 4-inch pots, at.....\$6.00 per 100.
Coreopsis Lanceolata, strong clumps, at..... 3.00 per 100.

PHOENIX NURSERY CO.

ESTABLISHED 1852.

600 Acres—13 Greenhouses.

P. O. Box 625, BLOOMINGTON, ILL.

Mention The Review when you write.

Vegetable Plants.

CELERY. White Plume, Golden Self-Blanching New Rose and other varieties, strong plants, 15c per 100; \$1.00 per 1000. If by mail, add 10c per 100.

CABBAGE. H. Succession, Early Summer, Flat Dutch, Drumhead Savoy and other varieties, strong field plants, 15c per 100; \$1.00 a 1000; \$8.50 a 10,000. If by mail, add 10c per 100.

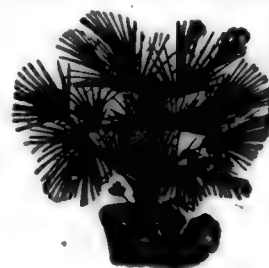
TOMATO, EGG and PEPPER in variety.
Send for price list.

Chrysanthemums in good var., from 2½-in. pots, \$2.00 per 100. Cash with order.

R. VINCENT, JR. & SON, White Marsh, Md.

Mention The Review when you write.

Always mention the Florists' Review when writing advertisers.



Palms and Ferns

The Largest Stock of Plants in the West.

Send us your name and we will keep you posted when we have anything special to offer.

GEO. WITTBOLD, 1708 N. Halsted St. CHICAGO.

Mention The Review when you write.

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DECORATION FLOWERS!

IN ABUNDANCE.

Specialties for Decoration Day.....

Loose Laurel for wreaths, per bag, \$3.00.

French Green Moss Wreaths,

Metal Wreaths, Clara Cemetery Vases,

Baskets of All Kinds,

Wire Work, standard and special designs,

Everything Needed by Florists.

GIVE US YOUR ORDERS EARLY.

PRICE LIST.

Am. Beauties, short, per doz.,	\$1 00 to \$1 50
medium, "	2 00 to 3 00
long, "	4 00 to 5 00
Per 100	
Maid, Brides, Meteors...	4 00 to 6 00
Perles.....	4 00 to 5 00
Roses, our selection	2 00 to 3 00
Carnations, select.....	3 00
medium quality..	1 50 to 2 00
white.....	2 50 to 3 00
Peonies.....	4 00 to 6 00
Callas, Harrisii	10 00
Cape Jasmine.....	1 00 to 2 50
Marguerites.....	60 to 75
Iris.....	2 00 to 3 00
Smilax, scarce.....	18 00 to 20 00
Adiantum	50 to 1 00
Common Ferns, per 1000.....	2 00 to 3 00
Galax Leaves, "	1 50
Asparagus, per doz.....	6 00
Valley, per 100.....	3 00 to 5 00
Sweet Peas.....	50 to 75

McKELLAR & WINTERSON,

Telephone Main 1129.....

45-47-49 Wabash Ave., CHICAGO, ILL.

Mention The Review when you write.



NEW **DAGGER FERNS**, First Quality, \$1.50 per M.

Send us your orders for Decoration Day and be sure of your stock.

FINE LAUREL FESTOONING, \$5.00 per 100 yards. See our Fine Laurel Wreaths, Prince's Pine, Mosses of all kinds.

All orders by wire or mail promptly filled.

CROWL FERN CO., 27 Beacon St., Boston, Mass.

Mention The Review when you write.

ASPARAGUS SPRENGERII, Seedlings, VERY FINE, ready for three-inch pots. By mail, \$3.00 per 100. WE PAY THE POSTAGE.

CASH WITH ORDER. See also our Carnation Seedling adv.

AMERICAN ROSE CO., - - Washington, D. C.

Mention The Review when you write.

Florists' Stock of Bedding Plants

Alternantheras, Coleus, Geraniums, Pansies, Daisies, Verbenas, Fuchsias, Salvias, etc. Write for prices. Florists are invited to look over our stock when in Milwaukee.

ARCHIE MIDDLEMASS,

1019 Forest Home Ave. MILWAUKEE, WIS.

Mention The Review when you write.

1899

CONTRACTS

1899

Now I am open to quote prices on all Bulbs, Plants and Roots for next season. Send in your list of wants for quotations.

F. W. O. SCHMITZ, JERSEY CITY, N. J.

Mention The Review when you write.

CARNATIONS...

Rooted Cuttings.

	Per 100
G. H. Crane	ready May 20, \$10.00
Gen. Maceo	ready now, 10.00
Glacier	" 10.00
America	" 10.00
Gold Nugget	" 5.00
Argyle	" 5.00
Evelina	" 4.00
Mrs. McBurney	" 2.00

F. Dorner & Sons Co., La Fayette, Ind.

Mention The Review when you write.

The MODEL Extension Carnation Support.

Read what some of our best growers say concerning it.

Flatbush, Brooklyn, N. Y., Feb. 18, 1897.

Mr. Theron Parker. Dear Sir:—Your wire stake is certainly a gem. Without hesitating we endorse it as an up-to-date Carnation Support. Yours truly,

DAILEDLOUZE BROS.

Other testimonials will appear weekly. Write for prices.

THE MODEL PLANT STAKE CO., 22 Morton Street. Brooklyn, N. Y.

Mention The Review when you write.

SMILAX!

40,000

Plants from Pots, \$1.50 per 100.

SEND FOR SAMPLE.

ALBERT M. HERR
LANCASTER, PA.

Mention The Review when you write.

30,000 SMILAX...

From flats, by mail, \$0.50 per 100; \$4.00 per 1000

From 3-inch pots, 1.50 13.00

HYDRANGEA, rooted cuttings, \$1.25 per 100; \$10.00 per 1000. From 4-inch pots, in bud, \$1.25 per dozen; \$8.00 per 100.

GERANIUMS, mixed, 3 inch pots, \$3.00 per 100.

CANNAS, mixed, 3-inch pots, \$3.00 per 100.

Send for Sample. Cash with order.

FRED BOERNER, Cape May City, N. J.

Mention The Review when you write.

SAMUEL S. PENNOCK, Wholesale Florist

OPEN DAY AND NIGHT—From 12 A. M. Mondays to 10 P. M., Saturdays.

A constant supply of SELECT VALLEY the year round. 1612-14-16-18 Ludlow St., Philadelphia, Pa.
AMERICAN BEAUTIES OUR SPECIALTY.

Mention the Review when you write.

PITTSBURG CUT FLOWER CO., Ltd. WHOLESALE FLORISTS.

Long Distance
Phone 2157.

CONSIGNMENTS SOLICITED.

No. 705 Penn Avenue,
PITTSBURG, PA.

FLORISTS' SUPPLIES.

Write for Price List.

Mention The Review when you write.

PHILADELPHIA.

Trade has been about the same as last week, with the supply still exceeding the demand. There are a few up-town florists who report a fair week, both in decorative and funeral work.

The cloudy weather of the past week did not have much effect on the supply of cut stuff. Brides, Maids, Meteors and Kaiserins brought from \$2 to \$5, while Beauties sold at prices ranging from \$6 to \$25; valley, \$2 to \$4; smilax, \$15 to \$20; adiantum, \$1; plumosus, 50 cents; sweet peas, 40 to 60 cents.

H. A. Dreer Co. report a big demand for French cannas. R.

SPIRAEA VAN HOUTTEI.

Every florist ought to have a few specimens of this shrub on his grounds. The long wands of white flowers are very useful in floral arrangements and they last very well indeed. Sprays cut last Thursday afternoon and kept in vases in a dwelling without any special care were still in good condition Sunday evening.

A shrub a few years old will produce a great mass of bloom, and the season may be extended by placing the shrubs in various positions. At Lincoln Park, Chicago, a specimen that has a place in an angle of the conservatory that faces the southwest is fully a week ahead of others in more exposed situations.

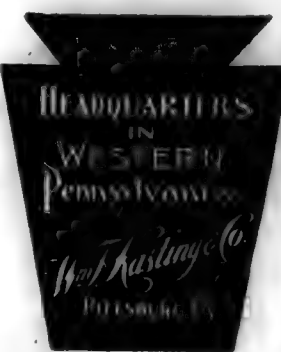
AMERICAN INSTITUTE.

The schedule of prizes for the exhibition of flowers, fruits and vegetables to be held at the American Institute, New York City, June 14 and 15, has been issued. Roses fill thirteen classes, and there are classes for hardy plants and flowers. Prizes are offered for fruits in seven classes and for vegetables in nine classes. Copies of the schedule may be had on application to Dr. F. M. Hexamer, 52 Lafayette Place, New York City.

LOS ANGELES, CAL. — Paul de Longpre, the famous flower painter, is now settled here for a stay of several years.

ROSES.
Carnations
VALLEY
FERNS.
GALAX and
IVY
LEAVES,
and
all kinds of
Seasonable
Flowers
in Stock.

Consignments of good stock solicited.



We get daily new customers because we have the reputation that all orders are punctually filled.

Long Distance Telephone 2955.

WM. F. KASTING & CO., F. STOKES, Manager.

Wholesale Florists. 444 Sixth Ave.

All kinds of FLORISTS' SUPPLIES and WIRE DESIGNS on hand.

Mention The Review when you write.



Galax Leaves AND Leucothoe Sprays

FOR SPRING AND SUMMER USE.

Write for prices to
HARLAN P. KELSEY,
1106 Tremont Bldg.,
BOSTON, MASS.

Mention The Review when you write.

Cut Flower Exchange,

404 - 412 East 34th St., New York,

NEAR THE FERRY.

Open Every Morning at 6 o'clock for the sale of CUT FLOWERS.

Wall space for Advertising purposes to Rent.

J. DONALDSON, SECRETARY.

Mention The Review when you write.

Long's "Handy" Order Sheets

The practical leaders to correct order taking in hurried hours. Single sample free.

Pad of 100 sheets, mailed for 24 cents in stamps.

Ten Pads (1000 sheets), by express, \$1.75.

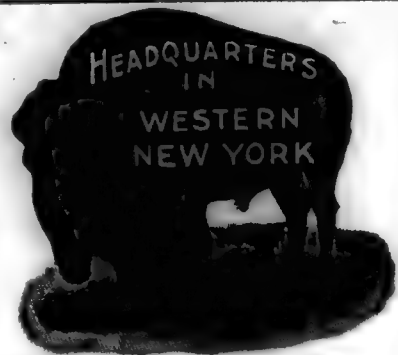
DAN'L B. LONG, Publisher, BUFFALO, N. Y.

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Mention The Florists' Review when writing advertisers.

GIVE US
A
TRIAL.
WE CAN
PLEASE
YOU.

Roses,
Carnations
and all
kinds of
Seasonable
Flowers
in stock.



WM. F. KASTING, Wholesale Commission Florist,
481 Washington St., BUFFALO, N. Y.
Also Dealer in Florists' Supplies and Wire Designs.

Mention The Review when you write.

WM. J. BAKER,

WHOLESALE
CUT FLOWERS,

1432 S. Penn. Square, PHILADELPHIA, PA.

Original Headquarters for CARNATIONS.

Mention The Review when you write.

EDWARD REID,

Wholesale
Florist,

LONG
DISTANCE
PHONE.

1526 Ranstead St., PHILADELPHIA, PA.

Mention The Review when you write.

Pandanus Veitchii

Clean Stock, Pedestal Grown.
6-in. pots, \$1.00 each; \$12.00 a dozen. Also larger sizes. Send list of sizes required and get rates. Also a few white leaved plants at half price, for decorative effects or cutting up.

JOHN WELSH YOUNG, - Germantown, Pa.

Upsal Station, Penn. R. R.

Mention The Review when you write.

Rose Hill Nurseries.

Palms, Orchids, Roses, Ferns

AND FOLIAGE PLANTS.

Largest stock in America.

SINBRECHT & SON,

New Rochelle, N. Y.

Mention The Review when you write.

Subscribers

Are reminded that they will materially advance the interests of their paper by buying supplies of the advertisers in the

Always MENTION the name of the paper when sending inquiries or orders.

Always mention the Florists' Review when writing advertisers.

ANNOUNCEMENT!

On the 15th day of May, 1899, I disposed of my business, stock and fixtures to W. E. LYNCH, 19 and 21 East Randolph St., Chicago, whom, I assure you, will prove a worthy successor. While thanking you for your kind patronage in the past, I feel certain that you will make no mistake in placing your future orders with Mr. Lynch, of whose integrity and business ability I cannot speak too highly. With renewed thanks for past favors, I remain,

Yours respectfully,

S. B. WINTER.

I am pleased to notify the trade that I have purchased the cut flower and supply business of Mr. S. B. WINTER, formerly Winter & Glover, of this city, and am now in a position to supply your needs better than ever before. Having doubled my growers' capacity, with the finest stock in Chicago, of all leading varieties at the right prices, let me quote you.

Yours truly,

W. E. LYNCH.

Decoration Day is Coming.

In placing your orders with me for Decoration Day, please state as to what quality of goods you desire, otherwise best grade will be shipped. Place your orders now. Following are the prices. Order early and avoid the RUSH.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

Beauties, long stems.....	per doz., \$2.50 to \$3.00
" extra long stems..	" 3.00 to 4.00
" medium	" 1.50 to 2.00
" short.....	" 1.00

Per 100

Brides, extra select.....	\$5.00 to \$6.00
" good average.....	4.00 to 5.00
Maids, extra select.....	5.00 to 6.00

Maids, good average	Per 100 \$3.00 to \$5.00
Meteors	3.00 to 5.00
Perles	3.00 to 5.00
Roses, our selection, good	3.00
Carnations, common	1.50 to 2.00
" select	2.00 to 3.00
" fancy	3.00 to 5.00
Pæonias	4.00 to 8.00

Jasmine	Per 100 \$1.00 to \$3.00
Lily of the Valley.....	3.00 to 4.00
Harrisii.....	10.00 to 12.00
Callas	10.00 to 12.00
Sweet Peas .....	.50 to .75
Smilax	15.00 to 20.00
Ferns	per 1000, \$2.50
Adiantum	1.00 to 1.25

Doves, Baskets,
Toothpicks,
Tin Foil,
Immortelles,
Wheat Sheaves,
Wire Designs,
Chenille.

Lynch
WHOLESALE FLORIST.
19-21
E. RANDOLPH ST.
CHICAGO

Twine,
Satin Ribbon,
Sphagnum Moss,
Annealed Wire,
Scolley's Sprinkler,
Florists' Boxes,
Moss,
Bouquet Paper.

Mention The Review when you write.

COLEUS

Verschaffeltii. Golden Bedder.

2½-inch pots,
Per 100.....\$2.00; Per 1,000.....\$18.00

J. L. DILLON, BLOOMSBURG, PA.

Mention the Review when you write.

Asparagus Plumosus

Strings 10 feet long, 50 cents. **Nanus** Shipped to any part of the country.

W. H. ELLIOTT,
BRIGHTON, MASS.

Mention The Review when you write.

Geraniums. BEST STANDARD SORTS.

Strong, sturdy plants from 2½-in. pots, \$3.00 per 100.

VINCA MAJ. VARIEGATA, 3-in. pots, \$4.00 per 100.
CANNA "BURBANK," dry roots, \$2.00 per 100.

Nathan Smith & Son, Adrian, Mich.

Mention The Review when you write.

CARNATIONS. CHRYSANTHEMUMS.

A few varieties still left.
ORDER QUICK if wanted.

Now is the time to plant them. Your early ones should be planted at once. Send for our list and let us figure on your order. Our plants are in extra fine shape. A good plant to begin with is half the battle.

H. Weber & Sons, - Oakland, Md.

Mention The Review when you write.

Burpee's Seeds Grow

Brides, Maids, Meteors, Strong, Clean Stock, ready for planting.
3-in., \$ 6 per 100, \$50 per 1000
4-in., 10 " 90 " 500 at 1000 rate.

F. BURKI, Bellevue, Allegheny, Pa.

Mention The Review when you write.

DRACAENA INDIVISA All sizes of plants from \$10.00 per 100 up.

Anna Boleyn Pink Rooted Cuttings from sand at \$7.50 per 1000. Cash with order.

C. SOLTAU & CO.,

199 Grant Avenue, JERSEY CITY, N. J.

Mention The Review when you write.

PITTSBURG.

Various Items.

Mr. Chas. T. Siebert, who has been seriously ill, is now recovering.

Mrs. A. L. Wills, one of the leading florists of Steubenville, O., was in the city during the week.

Oakwood Rose Gardens, Oil City, Pa., report that the heavy hailstorm did no damage to their greenhouses, but that they lost two-thirds of the derricks over their oil wells.

Among the novelties now being sent in are Spanish iris, white and pink cornflowers, annual chrysanthemums, cosmos, asters and coreopsis; these are shipped only in limited quantities.

Messrs. E. C. Van Leyden and M. P. Hurlbut, park and boulevard commissioners, and General Superintendent Coryell, of Detroit, were in the city last week, inspecting our parks, park roads and boulevards.

Abundance of all kinds of flowers are being received and few of these bring anything like an average price. The only apparent shortage is in Bride roses and sweet peas. It is somewhat difficult to say much about the condition of trade. The florists report very few elaborate decorations, the bulk of the stock being used in funeral work.

At the Alleghany Conservatories a beautiful sight is now to be seen, the entire north end of the palm house is covered with Clerodendron Balfouri in full bloom. The bright scarlet flowers, with their creamy white calyx, present a splendid combination of colors. A large collection of Brazilian fancy leaved cladium are also worthy of mention.

Gustav and J. W. Ludwig filled a peculiar order last week. A bridal bouquet was ordered; on the day of the wedding it was countermanded. The day following an elderly customer, a relative of the groom, appeared and ordered a bouquet of flowers, to be tied with a black ribbon and a "sympathy" card attached, to be sent the bride that was to be. Since there was no funeral in the house the florist prevailed upon his customer to omit the ribbon. The perplexed florist is still figuring what it all means.

Bowling.

The fourth practice game at bowling was indulged in last Thursday evening. The following scores were made on a regulation alley:

	1	2	3	4	5	6	T'l. Av.
J. B. Murdoch..	192	147	171	217	184	163	1074 179
J. W. Ludwig..	135	183	163	190	170	184	1025 171
E. C. Ludwig..	158	147	142	134	178	132	891 165
G. Oesterle....	159	130	130	124	173	...	746 143
E. Fisher.....	142	139	132	91	...	...	504 123
John Bader....	191	150	...	...	...	...	341 170
Wm. Lauch....	195	154	...	...	...	...	351 175

T. P. LANGHANS.

NEVADA, MO.—S. A. Weltmer is building two houses 20x60.

LA CROSSE, WIS.—A large amount of glass was broken at the Salzer greenhouses by the hail storm May 16.

THE WATER GARDEN



NELUMBUM SPECIOSUM.

THIS is the most favorable season to plant all kinds of aquatics. Hardy Nymphæas will now grow freely, also all kinds of Nelumbiums, and in warm sections the tender Nymphæas may be planted with safety.

WE ARE HEADQUARTERS FOR AQUATICS

having the largest assortment of new and standard varieties of Hardy and Tender Water Lilies, Nelumbiums, etc., etc.

Nelumbium Shiroman,

the new double white Lotus, is without a rival. Immense flowers of great substance, pure white, a grand acquisition.

Nymphaea Robinsoni,

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Illustrated in Florists' Review January 26, 1899, and in Florists' Exchange August 13, 1898.

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This variety is particularly good for Spring sales as pot plants and is an abundant bloomer, valuable for cut flowers, and does not exceed two feet in pots or in field. The blooms are bold, clean cut, pure white, with very full center. Good, strong plants out of 2½-in. pots, \$1.50 per doz.; \$10.00 per 100. Orders booked now and filled in rotation. Cash with order.

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Southern Thyme, 1-inch	1.50
Velvet Plant, 1-inch	2.00
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Smilax, from flats	.50
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Lobelia, " "	1.50
Golden Feverfew, " "	1.50

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Easter Blooming.

Flowers in thumb pots;
grows rapidly, 6-in. pot,
carry 50 to 100 sprays of
rosy flowers, 12 to 18 in.
long; lasts 4 weeks when
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cool house; perpetual
bloomer. 12 for \$1.50,
\$10 per 100, express
prepaid.

New Fragrant \$1000
CALLA.

Very dwarf and free
bloomer, has the fra-
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lilies, \$1 and \$2 per 12,
\$6 and \$12 per 100,
mailed.

Asparagus Sprengeri.
2-in., 24 for \$1.50, mail-

ed; \$4 per 100, express. 3½-in., 24 for \$2.50, mailed
\$7 per 100, express.

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Fine
large plants
in 4-inch
pots.

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Wootons, Brides, Maids, Meteors,
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\$1.25 per 100.

\$10.00 per 1000.

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\$50.00

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See also our
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GRAND RAPIDS.

We are experiencing great extremes of temperature. For weeks the thermometer has been around 90 and 100 degrees, but now it gets as low as 35 and 40 degrees at night, with raw and chilly days. Several showers have been a boon to carnations in the field, although some are badly troubled by cut worms and hand picking has been resorted to. Trade is quiet. The work of filling baskets, boxes, vases, etc., is being hurried as fast as possible. The general run of stock is good, except pansies, which have suffered severely by the severity of the winter. One large grower lost his entire crop.

Carnations are selling from 20 to 50 cents per dozen, although the average for good stock is 35 cents; Beauties, \$1.50 to \$2 per dozen; other roses, 50 cents and \$1; lilies, \$1.50 per dozen. Outdoor shrub flowers are nearly over; they have had lots to do with the quietness of trade, as some recent decorations were made up largely from flowers of trees and shrubs.

Alfred Hanna was thrown from his wagon, badly wrenching his shoulder and cutting his face. The injuries, although painful, are not serious. The Florists' Club meet tonight to wrestle with the uniform price list, as well as several other important topics.

GEO. F. CRABB.

MONTREAL.

Business in cut flowers is not too brisk here now. The hot, dry weather has quite an effect on the quality of stuff, also its keeping. Bedding plants won't commence to sell in any quantity till the last week in May. Some of the growers say there is so much competition in plants now that there is no profit in handling them at the prices obtained. A. Wilshire is busy moving his greenhouses to another place. Campbell is about settled in his new store. Bain has opened his branch store. B. Graves is thinking of giving up and going to California.

Mrs. J. McKenna, the wife of one of our most respected and active members, died on May 11, after a short illness. "Jim" has the deepest sympathy of all the members of the club. The funeral was very largely attended by his numerous friends, the club turning out in force. Floral tokens were numerous and were sent by A. Wilshire, C. Campbell, J. Bennett, J. S. Murray, M. G. & F. Club and several others.

J. B.

SUBSCRIBERS are requested to mail us items of general trade interest at any time.

5000 BEGONIA REX and 5000 VINCA VAR.

POT PLANTS.

Abutilon Var, trailing, finest of all for baskets and vases, 2½-in., \$6.00; 3-in., \$10.00; 4-in., \$15.00 per 100
Begonia Rex, 2-in. \$4.00; 3½-in., \$10.00 per 100
Louis Closson, 4.00 and 6.00 "
Fuchsia Trailing Queen, 2½-in. 4.00 "
Forget-me-not, winter flowering, 2½-in. 3.00 "
Cobea Scandens, extra strong, 3-in. 5.00 "
Impatiens Sultana, 2½-in. 3.00 "
Maurandya Vine, 2½-in. 3.00 "

VINCA VAR, extra long, 2½-in., \$2.50; 3-in., \$4.00; 3½-in., \$5.00; 4-in., \$10.00; 5-in., \$15.00 per 100

ROOTED CUTTINGS.

Per 100	Per 100	Per 100
Alyssum giant, double.....\$1.00	Geraniums, mixed.....\$1.25	Geraniums, Pansy.....\$4.00
Abutilon, trailing var.....2.00	Mad. Sallerioi.....1.25	Violet M. Louise......60
Ageratum, blue and white..1.00	Silver Leaf.....1.50	Vincas Var., per 1000, \$10....1.25
Anthemis, double yellow...2.00	Rose Scented.....1.50	Daisy Snow Crest.....2.00
Begonia Rex.....2.00	Mrs. Pollock.....2.00	Impatiens Sultana.....1.50
" Incarnata Gigantea 2.00	Freak of Nature.....4.00	Lemon Verbena.....1.50
" Vernon.....1.00	Mrs. Parker.....4.00	German Ivy.....1.25
Coleus, mixed, per 1000, \$5..60	Happy Thought.....3.00	Lobelia, blue.....1.00
Fuchsias, assorted.....1.50	Mars.....8.00	Manettia bicolor.....2.00
Cobea Scandens.....1.50	Mad. Bruant.....4.00	Lantana, assorted.....1.50
Cuphea (Cigar).....1.00	Ivy.....1.50	

VIOLETS, Marie Louise, Clumps very large, per 100.....\$4.00

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His whole thought and attention are devoted to roses.

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We are specialists in Greenhouse Construction, just as the rose grower is a specialist in roses.

We can serve you much better than one lacking this experience.



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BRIDES and MAIDS, 3 in., at \$5.00 per 100; \$40.00 per 1000. This stock will please you
PELARGONIUMS, 4-in. fine plants, the leading varieties, true to name, at 10c each; \$8.00 per 100.
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COLEUS, R. C., 70c per 100; \$6.00 per 1000; named.
CHRYSANTHEMUMS, the leading varieties, fine plants, \$2.50 per 100; \$20.00 per 1000.

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	Per Plant.
1 plant to pot, 4½ ft. in height & dia., 10 leaves.	\$5.00
1 " " 4 " " " " 8 to 9 " "	4.00
1 " " 2½ to 3 " " " 7 to 9 " "	2.00
2 " " 4½ to 5 " " " 12 to 14 " "	6.00
2 " " 4 to 4½ " " " 12 " "	5.00

Large Areca Plants. Prices on application.
Per doz. Per 100
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" " " " " 2.50 20.00

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600 Asparagus Plumosus Nanus, 5-in. pots,	\$20.00
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Heliotrope, white and purple.....	\$2.00	\$2.50
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Lantanas, in var.	2.00	2.50
Cuphea (Cigar Plant)	2.00
Artillery Plant (Pilea)	2.00
Ivy Geraniums, pink and red, in bloom	2.50
Mixed Coleus, good ones.....	2.00	....
Fuchsias, in var.....	2.50	2.50
Dusty Millers, cut leaf.....	2.00	....
Feverfew, Little Gem.... 3-in., \$3.00..	2.00	....
Yel. Marguerites, in bloom, " 3.50..	2.50	....
Imp. Sultana, 2 var.....	2.50
Eng. Dbl. Daisies, in bloom, \$1 per 100
Lemon Verbenas	2.00	2.50
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G. L. GRANT, EDITOR AND MANAGER.

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 520-535 Caxton Building, Chicago,
 334 Dearborn Street.

Subscription, \$1.00 a year. To Europe, \$2.00. Subscriptions accepted from those in the trade only.

Advertising rates: Per inch, \$1.00; 1/4 page, \$13.50; full page, \$27.00. Discounts: 6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent. Discounts allowed only on consecutive insertions. Only strictly trade advertising accepted. Advertisements must reach us by Tuesday to insure insertion in the issue of the following Thursday.

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LEGAL DECISION.

The damage which a florist may recover for injury to plants by escaping gas are held, in Dow vs. Winnepesaukee Gas and Electric company (N. H.), 42 L. R. A. 569, not to include any injury to his business reputation on account of sales of damaged plants, as that is conjectural and too remote to be allowable.

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KROESCHELL BROS. CO.

Chicago, March 18, 1896.
Kroeschell Bros. Co., City.

Dear Sirs: In reply to your favor of the 11th inst., would say that the boiler purchased from you has given me satisfaction, inasmuch as I consider it more economical than either of my other boilers.

Yours truly,

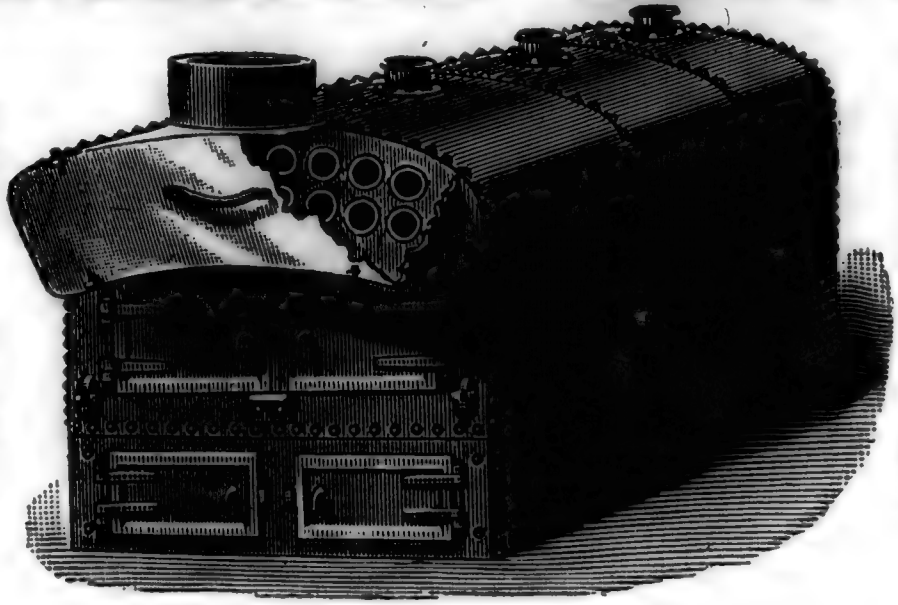
ERNST WIENHOEBER.
418 to 427 Elm Street.

South Bend, Ind., March 12, 1896.
Kroeschell Bros., Chicago, Ill.

Gentlemen: Yours dated March the 10th duly received and contents noted. In reply, will state the boiler has given perfect satisfaction in every respect, and am greatly pleased with it. It is very economical in the use of coal, and very satisfactory.

Yours truly,

WILLIAM T. RETTIC,
Per C. M. T.



Kenosha, Wis., March 18, 1896.
Kroeschell Bros. Co., Chicago.

Gents: Yours of the 10th inst. received and contents noted, and in reply I must say that I am perfectly satisfied with the boiler I got from you last season. I am satisfied there is a saving of fuel, but just how much I am unable to say; and just while I am writing to you I would like to find out how much would a No. 6 boiler cost f. o. b. cars Chicago?

Respectfully yours,

LOUIS TURNER.

Chicago, March 12, 1896.
Messrs. Kroeschell Bros. Co.,
Chicago, Ill.

Dear Sirs: The boiler we received from you has given perfect satisfaction, and think we save about 25 per cent. of coal, comparing it to fire box boiler that was doing the work before.

Respectfully, GEO. WITTBOLD,
Per L. W.

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Improved Greenhouse Boiler. CHICAGO.

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VAPOR INSECTICIDE.

No labor required.
Harmless to bloom and foliage.

A certain killer of
RED SPIDER, - GREEN FLY,
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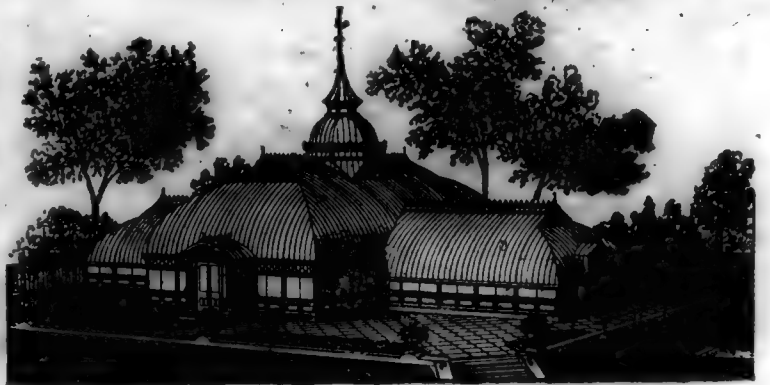
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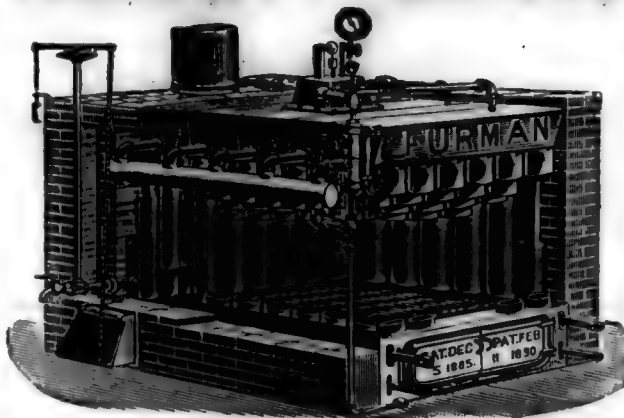
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